

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

H292.9
S03Wa
2.2

5



United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah



WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department
of Natural Resources



U.S.D.A. RECORDS

MAR 6 1982

March 1, 1982

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: LONE CONE, NEAR NORWOOD, COLORADO

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

<u>STATE</u>	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

WATER SUPPLY OUTLOOK FOR UTAH

**and
FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS**

Issued by

**NORMAN A. BERG
CHIEF
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.**

|||||

Released by

**GEORGE D. McMILLAN
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH**

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES	
DEE C. HANSEN	DANIEL F. LAWRENCE
State Engineer	Director
Division of Water Rights	Division of Water Resources

|||||

Report prepared by Snow Survey Staff

BOB L. WHALEY, Supervisor

**Soil Conservation Service
125 So. State, Fed. Bldg.
P.O. Box 11350
Salt Lake City, Utah 84147**

WATER SUPPLY OUTLOOK

as of March 1, 1982

* * * * *
* Utah's 1982 Water Supply Outlook was dimmed slightly by *
* a drier than average February and remains below average *
* in the southern part of the state to slightly above *
* average in northern Utah. Snow cover now ranges from *
* 52% in the southwest corner to 150% on the Muddy River. *
* *
* Reservoir storage is 106% of average and streamflow *
* forecasts range from 67% for Mill Creek near Moab to *
* 167% for the Inflow to Minersville Reservoir. *
* * * * *

SNOW COVER

Snow measurements completed the last of February show less than average increases for the month. Basin averages now range from 52% for the Enterprise-New Harmony area to 150% on the Muddy River in Emery County.

Bear River Basin is 123% of the March 1 average, Ogden and Weber Basins 119%, Provo-Utah Lake 129%, Jordan River-Salt Lake Front 124%, Duchesne River 123%, Price River 139%, San Rafael 137%, Fremont 129%, Beaver River 137%, South Fork Sevier 89%, Lower Sevier 120%, Virgin River 74%, LaSal Mountains 91% and Blue Mountains 80% of the March 1 average.

PRECIPITATION

Precipitation measured at mountain stations ranged from 41% of the February average at Lakefork Mountain in Uintah Basin to 135% at Hayden Fork on Bear River. Precipitation was generally near average on the Bear, Ogden, Weber and Provo Rivers and below average in the Uintah Basin and the southern half of the state with a few exceptions on Salina Creek and the Upper Fremont River.

SOIL MOISTURE

Watershed soils have near average moisture except in southern Utah where fall precipitation was below average.

RESERVOIR STORAGE

Storage in 24 of Utah's key irrigation reservoirs is now 106% of the March 1 average and 74% of useable capacity. Storage in these reservoirs averages 10% less than last year at this time.

Utah Lake is 0.5 feet below compromise and Great Salt Lake was 4,199.20 feet above sea level or 0.65 feet less than a year ago.

WATER SUPPLY OUTLOOK (continued)

STREAMFLOW FORECASTS

Streamflow forecasts now range from 67% of average for Mill Creek near Moab to 167% of average for the Inflow to Minersville Reservoir.

Forecasts generally dropped slightly due to below average increases to the snow pack during February.

Bear River is forecast 114% at Utah-Wyoming state line and 110% at Harer, Idaho. Logan River is forecast 109% of average, Pineview Inflow 106%, Lost Creek 91%, Weber near Oakley 123%, Chalk Creek 118%, and East Canyon 115% of the April-June average.

Provo River is forecast 146% at Hailstone, 138% at Deer Creek and 130% for the Inflow to Utah Lake.

Duchesne forecasts range from 103% on Lakefork to 161% for the Duchesne at Myton. Ashley Creek is forecast 109% and Uintah River 108%.

Inflow to Scofield is forecast 140%, Huntington Creek 141%, Cottonwood Creek 156%, Ferron Creek 159%, and Muddy Creek 160% of the April-July average.

The Sevier is forecast 106% at Hatch, 109% at Kingston, 108% at Gunnison and Salina Creek 121%. Beaver River is forecast 163% at Beaver and North Creeks 143% of the April-July average. Coal Creek is forecast 89% of average and Virgin River 70% of average for the April-June period.

Peak flows are not expected to be a problem from snow melt runoff this year except possibly on the Beaver, San Rafael, and Muddy Rivers.

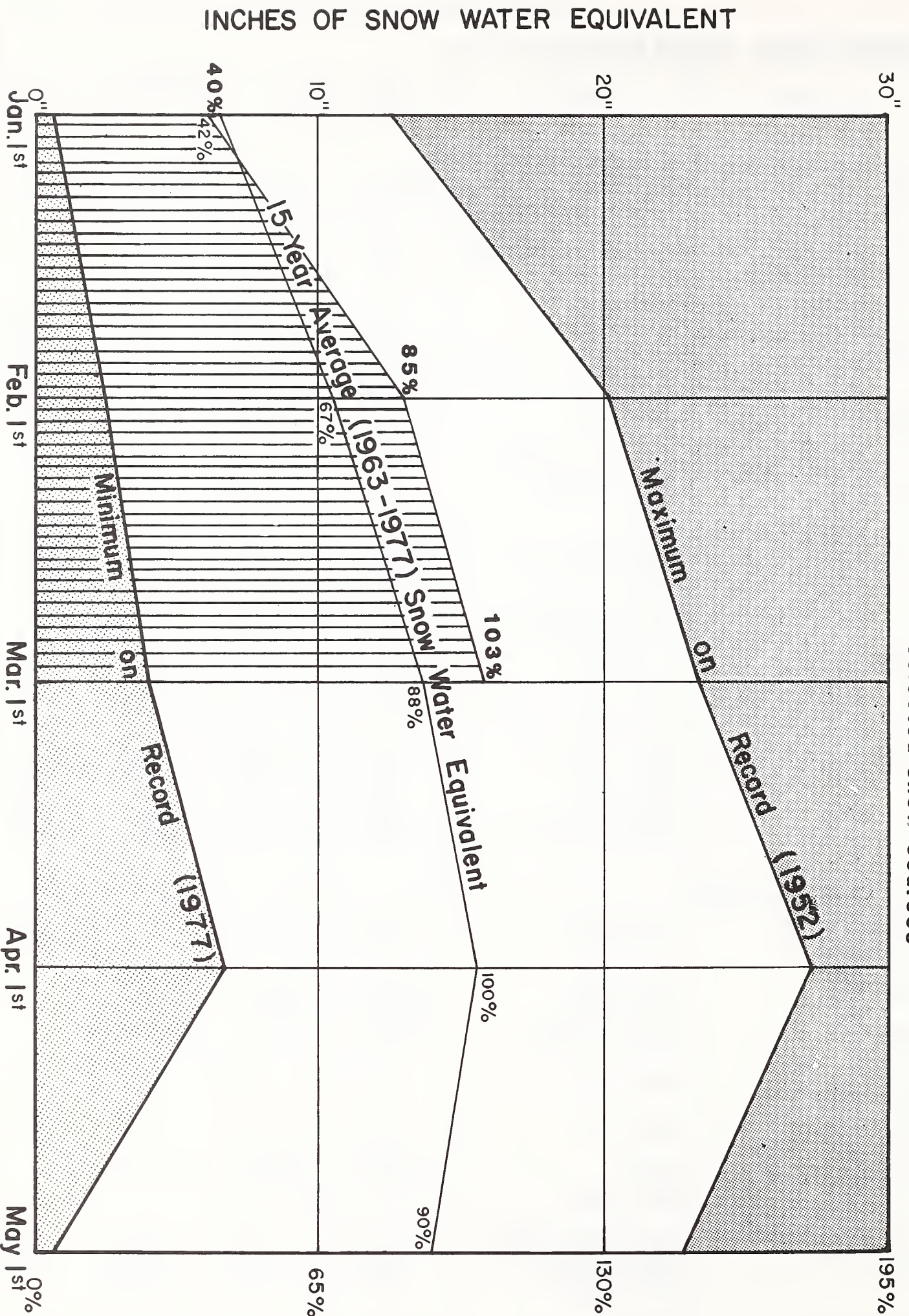
Water supplies are expected to be adequate for all users except in the southern part of the state where late season shortages are expected unless above average precipitation occurs in the next few months.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	913.2	1052.9	1030.6
	Woodruff Narrows	57.3	24.7	20.2	20.5
<u>Beaver River</u>	Minersville (RkyFd)	23.3	17.7	24.1	13.5
<u>Little Bear</u>	Hyrum	15.3	10.4	10.5	10.9
	Porcupine	11.3	2.6e	3.8	3.6
<u>Ogden</u>	Causey	6.9	3.6	4.4	2.0b
	Pineview	110.1	73.5	62.0	49.9
<u>Provo</u>	Deer Creek	149.7	107.0	115.2	106.6
<u>Settlement Creek</u>	Settlement Creek	1.2	0.6	0.5	
	Vernon Creek	0.6	0.4	0.6	
<u>Sevier River</u>	Gunnison	18.2	16.0	18.2	14.0
	Otter Creek	52.5	44.8	52.5	33.1
	Piute	71.8	64.4	70.5	44.9
	Sevier Bridge	236.0	198.5	230.8	131.4
	Panguitch Lake	22.3	18.5		
<u>Spanish Fork</u>	Strawberry	270.0	177.0	216.3	153.7
<u>Utah Lake</u>	Utah Lake	883.9	850.8	873.3	719.8
<u>Weber</u>	East Canyon	48.1	34.2	37.8	28.3
	Echo	73.9	53.3	58.0	51.7
	Lost Creek	20.0	13.0	16.5	13.2b
	Rockport	60.9	27.5	44.3	32.8
	Willard Bay	193.3	141.2	175.6	135.1
COLORADO RIVER BASIN					
<u>Ashley Creek</u>	Steinaker	33.3	23.0	26.7	21.9
<u>Colorado</u>	Blue Mesa	829.5	267.6	446.0	
	Lake Powell	25002.0	1947.0	21635.0	
<u>Green</u>	Flaming Gorge	3749.0	2663.9	2970.0	
<u>Lakefork</u>	Moon Lake	35.8	18.6e	16.7	18.3
<u>Price River</u>	Scofield	65.8	35.7	50.4	35.8
<u>San Juan</u>	Navajo	1696.0	1202.9	1253.0	
	Ken's Lake	2.7	1.3		
<u>San Rafael</u>	Huntington North	3.9	2.7	2.8	3.0b
	Joe's Valley	54.6	31.7	37.0	36.9b
	Mill Site	16.7	6.6	10.0e	
<u>Strawberry</u>	Starvation	165.3	144.4	150.7	130.0b
<u>Uintah</u>	Bottle Hollow	11.3	11.1	11.3	9.9b

UTAH'S WINTER SNOWPACK

Data based on 79 selected snow courses

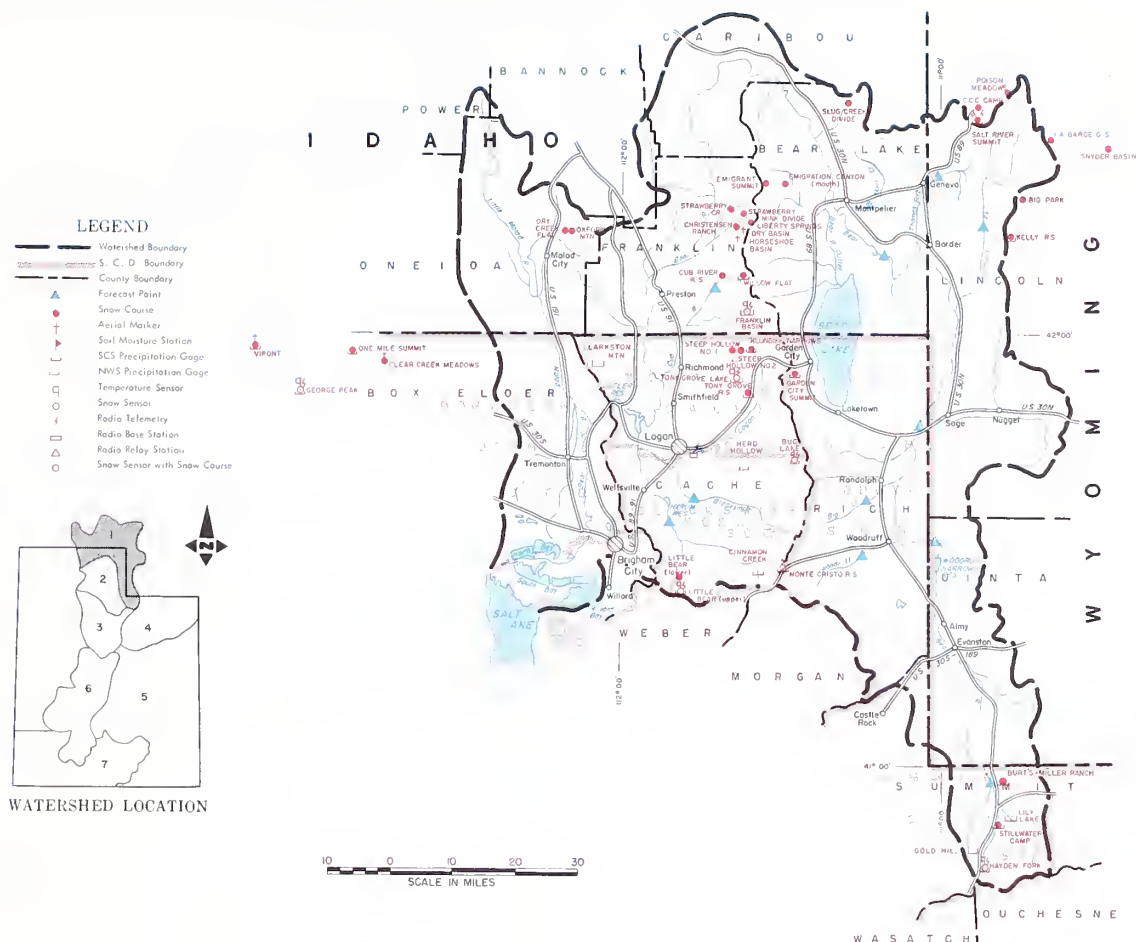


1982 Snowpack

WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER did not increase as much as expected and now ranges from 108% on Raft River to 127% on Logan River.

PRECIPITATION at mountain locations ranges from 68% of the February average at Bug Lake to 135% at Hayden Fork.

SOIL MOISTURE is good at higher elevations.

RESERVOIR STORAGE is still slightly below average except in Woodruff Narrows which is 120% of average. Bear Lake is 89% of average.

STREAMFLOW FORECASTS range from 94% of the April-July average on Woodruff Creek to 123% for the Bear near Woodruff. Bear at Stateline is forecast 114% and Logan River 109% of average. Peak flows are not expected to present a problem unless above normal precipitation and temperature occur early this spring.

All water users should have a near average supply this season.

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	Forecast Actual Foot	Percent of Average	PERIOD	THOUSAND ACRE FEET Last Year	Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	130	114	Apr-July	100	114
Bear nr Woodruff	182	123	Apr-July	121	148
Woodruff Crk nr Woodruff, UT	17.3	94	Apr-July	5.4	18.4b
Big Creek nr Randolph, UT	5.8	107	Apr-July	--	5.4b
Bear nr Randolph	139	116	Apr-July	60	120
Thomas Fork nr UT-WY State Ln	44	124	Apr-Sept	8.3	35
Smith's Fork nr Border, WY	137	114	Apr-Sept	60	120
Bear at Harer, Idaho 1/	366	110	Apr-Sept	105	332
Logan nr Logan 1/	129	109	Apr-July	67	118
Blacksmith Fork nr Hyrum	60	112	Apr-July	23	54
Little Bear nr Paradise	42	111	Apr-June	10.2	38
Cub River nr Preston, ID	56	112	Apr-Sept	--	52

1/ Observed flow corrected for change in storage and diversions
 2/ Provisional flows - Subject to correction
 b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-DRAINAGE	Number of Gauges Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
BEAR RIVER	18	270	123
UPPER BEAR RIVER	4	238	115
LOWER BEAR RIVER	14	278	124
LOGAN RIVER	7	293	127
UPPER RAFT RIVER	2	170	108

RESERVOIR STORAGE (Thousand Acre Foot)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USABLE STORAGE		
			This Year	Last Year	Average †
BEAR RIVER	Bear Lake	1421.0	913.2	1052.9	1030.6
	Woodruff Narrows	57.3	24.7	20.2	20.5
LITTLE BEAR	Hyrum	15.3	10.4	10.5	10.9
	Porcupine	11.3	2.6c	3.8	3.6
+ - 1963-77 15 year Average Period					
c - estimated					

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †
Burts-Miller Ranch	2/25	18	5.8	3.1	--
Cub River R.S.	2/23	23	8.4	4.9	8.4
Emigrant Summit	2/24	78	29.4	8.5	21.7
Franklin Basin	2/23	70	26.2	10.2	22.7
Hayden Fork	2/25	45	15.1	6.8	12.7a
Klondike Narrows	2/23	59	21.5	7.5	17.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †
Little Bear Lower	2/24	25	9.9	4.6	9.2
Little Bear Upper	2/24	30	11.5	5.1	10.9
Monte Cristo	2/24	67	24.8	7.9	22.0
Salt River Summit	2/25	61	17.8	8.2	14.4
Stillwater Camp	2/25	37	11.0	3.7	
Tony Grove R.S.	2/24	41	12.8	4.1	10.9

UNITED STATES DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 Federal Bldg. - Room 4012
 Salt Lake City, Utah 841138

OFFICIAL BUSINESS
 PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
 U. S. DEPARTMENT OF
 AGRICULTURE
 AGR-101



FIRST CLASS MAIL

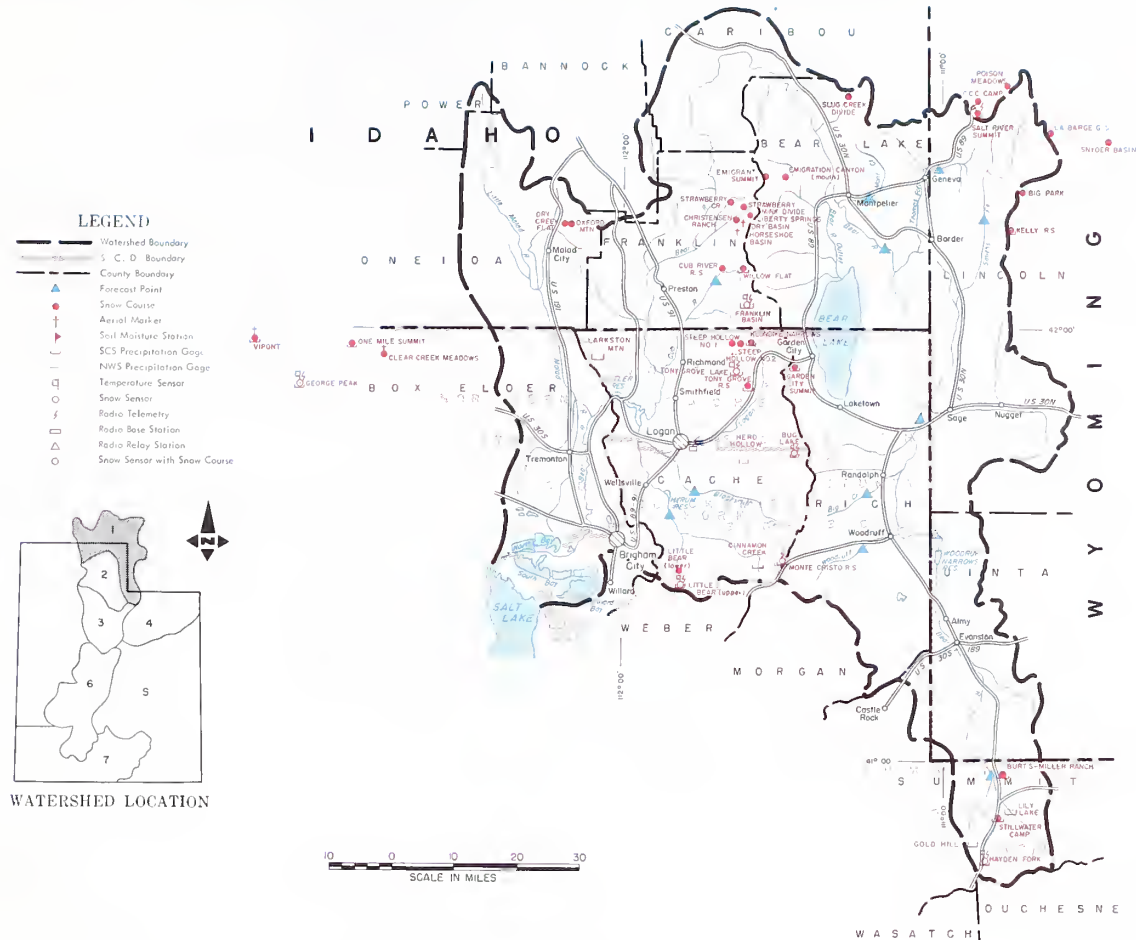


"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER did not increase as much as expected and now ranges from 108% on Raft River to 127% on Logan River.

PRECIPITATION at mountain locations ranges from 68% of the February average at Bug Lake to 135% at Hayden Fork.

SOIL MOISTURE is good at higher elevations.

RESERVOIR STORAGE is still slightly below average except in Woodruff Narrows which is 120% of average. Bear Lake is 89% of average.

STREAMFLOW FORECASTS range from 94% of the April-July average on Woodruff Creek to 123% for the Bear near Woodruff. Bear at Stateline is forecast 114% and Logan River 109% of average. Peak flows are not expected to present a problem unless above normal precipitation and temperature occur early this spring.

All water users should have a near average supply this season.

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST Thousand Acres Feet	PERCENT OF Average	PERIOD	THOUSAND ACRES FEET Last Year	Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	130	114	Apr-July	100	114
Bear nr Woodruff	182	123	Apr-July	121	148
Woodruff Crk nr Woodruff, UT	17.3	94	Apr-July	5.4	18.4b
Big Creek nr Randolph, UT	5.8	107	Apr-July	--	5.4b
Bear nr Randolph	239	116	Apr-July	60	120
Thomas Fork nr UT-WY State Ln	44	124	Apr-Sept	8.3	35
Smith's Fork nr Border, WY	137	114	Apr-Sept	60	120
Bear at Karet, Idaho 1/	366	110	Apr-Sept	105	332
Logan nr Logan 1/	129	109	Apr-July	57	118
Blacksmith Fork nr Hyrum	60	112	Apr-July	23	54
Little Bear nr Paradise	42	111	Apr-June	10.2	38
Cub River nr Preston, ID	56	112	Apr-Sept	--	52

1/ Observed flow corrected for change in storage and diversions
 2/ Provisional flows - Subject to correction
 b - Average of all past record - less than 15 years

SUMMARY OF SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-DRAINAGE	Number of Gauges Avalogged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
BEAR RIVER	18	270	123
UPPER BEAR RIVER	4	238	115
LOWER BEAR RIVER	14	278	124
LOGAN RIVER	7	293	127
UPPER RAFT RIVER	2	170	108

RESERVOIR STORAGE (Thousand Acres Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USABLE STORAGE		
			This Year	Last Year	Average †
BEAR RIVER	Bear Lake	1421.0	913.2	1052.9	1039.6
	Woodruff Narrows	57.3	24.7	20.2	20.5
LITTLE BEAR	Hyrum	15.3	10.4	10.5	10.9
	Porcupine	11.3	2.6e	3.8	3.6
+ - 1963-77 15 year Average Period					
e - estimated					

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	THOUSAND ACRES FEET Last Year	Average †
Burts-Miller Ranch	2/25	18	5.8	3.1	--
Cub River R.S.	2/23	23	8.4	4.9	8.4
Emigrant Summit	2/24	78	29.4	8.5	21.7
Franklin Basin	2/23	70	26.2	10.2	22.7
Hayden Fork	2/25	45	15.1	6.8	12.7a
Klondike Narrows	2/23	59	21.5	7.5	17.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	THOUSAND ACRES FEET Last Year	Average †
Little Bear Lower	2/24	25	9.9	4.6	9.2
Little Bear Upper	2/24	30	11.5	5.1	10.9
Monte Cristo	2/24	67	24.8	7.9	22.0
Salt River Summit	2/25	61	17.8	8.2	14.4
Stillwater Camp	2/25	37	11.0	3.7	
Tony Grove R.S.	2/24	41	12.8	4.1	10.9

UNITED STATES DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 Federal Bldg. - Room 4012
 Salt Lake City, Utah 841138

OFFICIAL BUSINESS
 PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
 U. S. DEPARTMENT OF
 AGRICULTURE
 AGR-101



FIRST CLASS MAIL

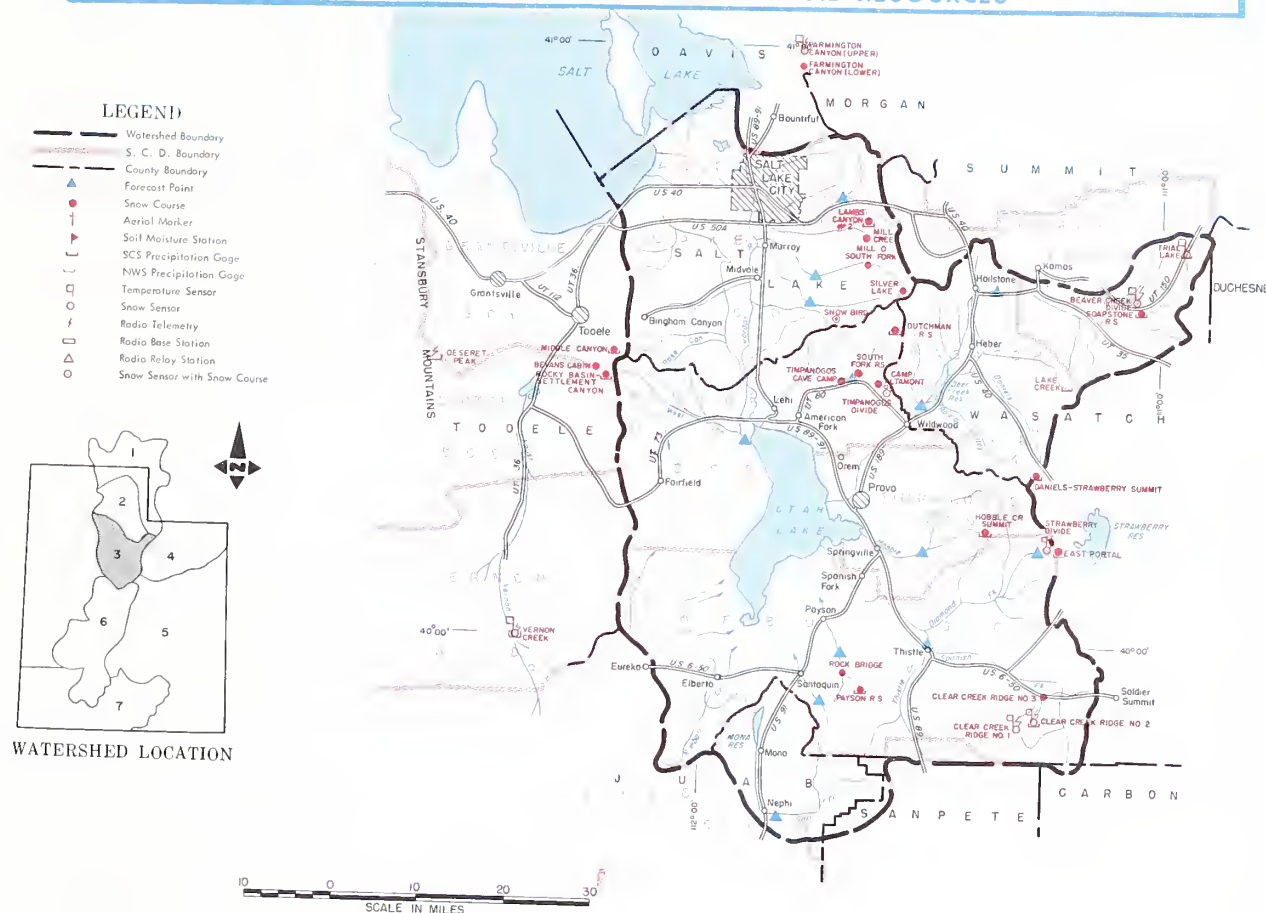


"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER received less than average increase for February and now ranges from 84% of average for Tooele Valley to 129% on the Provo Utah Lake. The Salt Lake front is 124% of the March 1 average.

PRECIPITATION at mountain stations varied from 73% of the February average at Trial Lake to 104% at Clear Creek No. 2. The October-February total ranges from 120-139% of average

SOIL MOISTURE is near average in the top 1 to 2 feet.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 90% of the April-June average for Vernon Creek to 146% for Provo at Hailstone. Strawberry Reservoir Inflow is forecast 135% of average and Utah Lake Inflow 130% of the April-July average.

Water user's in this area are expected to have average or better water supplies this season.

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Thousand Acre Feet	Percent of Average		Thousand Acre Feet	
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	149	146	Apr-July		109
Provo below Deer Creek Dam 1/	165	138	Apr-July		120
American Fork nr American Fork	40	132	Apr-July		31
Hobble Creek nr Springville	26	145	Apr-July		19.7 ^b
Strawberry Reservoir Inflow 1/	70	135	Apr-July	17.4	52
Spanish Fork at Thistle	54	138	Apr-July		39 ^b
Payson Creek nr Payson	7.4	117	Apr-July		6.3
Utah Lake Inflow	316	130	Apr-July		244
JORDAN RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	44	117	Apr-July		38
Big Cottonwood nr SLC	47	124	Apr-July		38
Parley's Creek nr SLC	20	130	Apr-July		15.4
Mill Creek nr SLC	8.1	129	Apr-July		6.3
Emigration Creek nr SLC	4.7	117	Apr-July		4.9
City Creek nr SLC	9.4	118	Apr-July		10.7
TOOELE VALLEY					
Vernon Creek nr Vernon	0.9	90	Mar-June	1.0	1.0
Settlement Crk nr Tooele	2.2	96	Apr-July	--	2.3
S. Willow Crk nr Grantsville	3.3	114	Apr-July	1.7	2.9

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
SPANISH FORK	Strawberry	270.0	177.0	216.3	153.7
UTAH LAKE	Utah Lake	883.9	850.0	873.3	719.3
	Settlement Creek	1.2	0.6	0.5	--
	Vernon Creek	0.6	0.4	0.6 ^e	--
PROVO	Deer Creek	149.7	113.0	115.2	106.6

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME				Last Year	Average †
Camp Altamont	2/27	41	17.1	9.8	13.4
Clear Creek #1	2/27	53	19.1	7.0	15.6
Clear Creek #2	2/27	47	16.1	6.5	11.8
Clear Creek #3	2/27	28	10.1	2.8	6.9
Daniels-Strawberry Summit	2/27	41	14.8	5.3	12.3
Desert Peak	3/1	64	24.6	15.1	--
Dutchman R.S.	2/27	53	22.0	10.6	14.4
Hobble Creek Summit	2/27	46	16.8	5.2	12.3
Lamb Canyon #2	2/25	48	17.8	8.1	--
Middle Canyon	3/1	26	9.3	7.5	12.1
Mill Creek	2/25	57	19.3	8.4	--

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average †
PROVO RIVER & UTAH LAKE	13	238	129
JORDAN RIVER & SALT LAKE	2	229	124
TOOELE VALLEY	2	132	84

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction
a-Partly estimated

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Hobble Creek nr Springville		
Spanish Fork nr Thistle		
Big Cottonwood nr Salt Lake City		
(a) - Maximum mean daily peak flow		

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME				Last Year	Average †
Mill D South Fork	2/26	55	21.5	8.8	17.1
Parleys Canyon Summit	2/25	54	17.8	7.6	16.1
Payson R.S.	2/22	52	19.2	6.6	16.5 ^b
Rocky Basin-Settlement Canyon	3/1	56	20.3	12.9	--
Silver Lake Brighton	2/26	70	26.2	11.1	19.6
Soapstone R.S.	2/25	41	13.9	6.0	11.1
South Fork R.S.	2/27	21	9.4	3.6	6.1
Timpanogos Divide	2/27	60	23.0	12.8	21.5
Trial Lake	2/25	77	28.1	12.1	20.0
Vernon Creek	2/28	28	8.6	6.1	9.3 ^a

a - Partly estimated
e - Estimated

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE
AGR-101



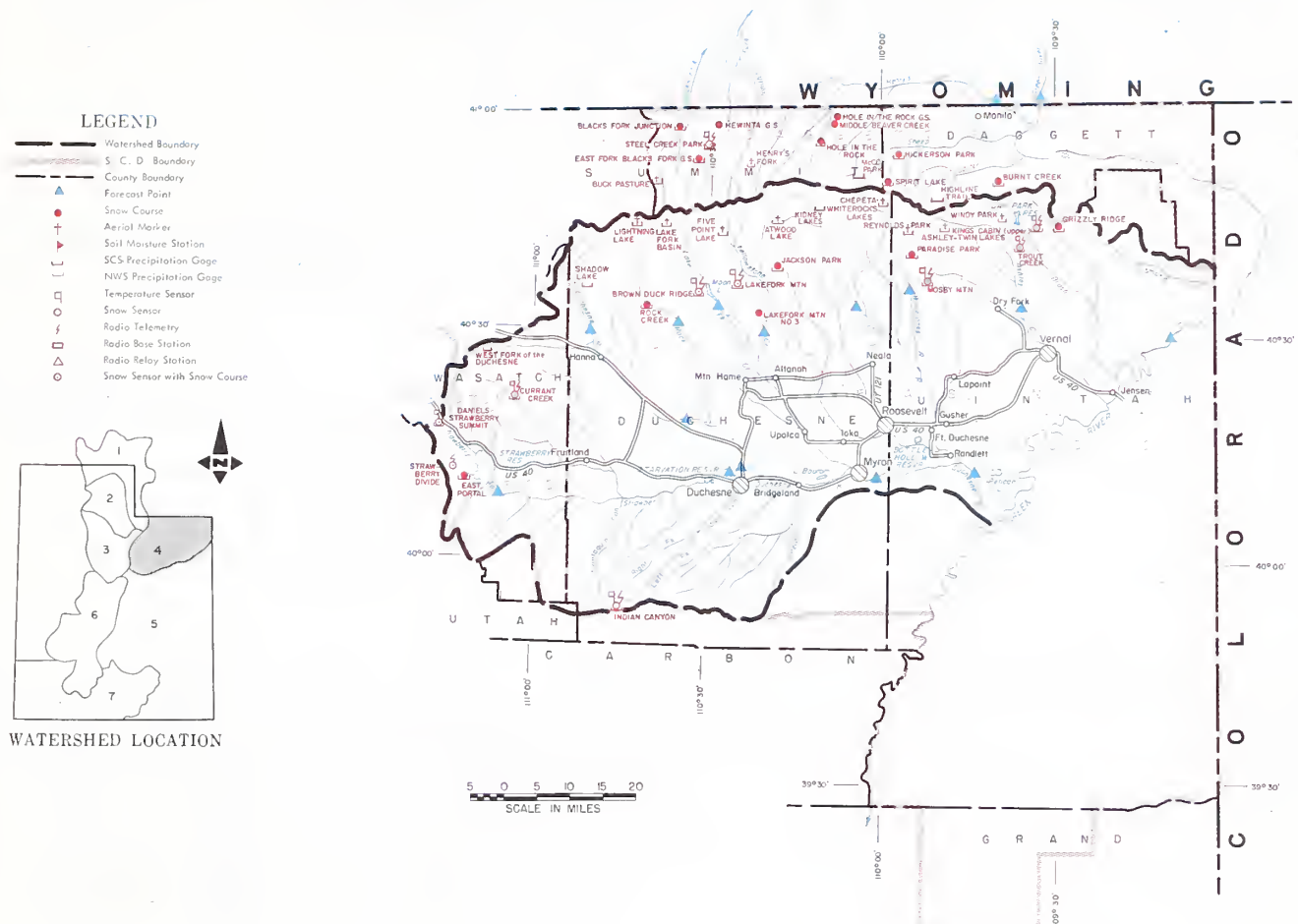
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1982

THE WATER SUPPLY OUTLOOK IS AVERAGE TO ABOVE AVERAGE

SNOW COVER ranges from 104% on Ashley Creek to 146% on Rock Creek. Lakefork-Yellowstone Creeks are 114% and Strawberry River 138% of the March 1 average. Most snow courses received below average February increases.

PRECIPITATION at mountain stations varied from 41% of the February average at Lakefork Mountain to 98% at Burnt Creek above Manila.

SOIL MOISTURE is better than average in the top one to two feet of soil.

RESERVOIR STORAGE is near average.

STREAMFLOW FORECASTS dropped 3 to 10% on the south slope of the Uintahs and now range from 102% for Yellowstone to 150% for the Duchesne at Randlette. Forecasts on the north slope raised with the Black's Fork 128% and Henry's Fork 129% of the April-September average. Peak flows are expected to be near average this season unless above normal precipitation and temperature occur during the snow melt period. Water supplies are expected to be adequate for all users this season.

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	136	127	Apr-July	73	107
Duchesne at Duchesne 1/	234	121	Apr-July	83	193
Strawberry at Duchesne	76	133	Apr-July	24	57
Rock Creek nr Mtn. Home	120	125	Apr-July	68	95
Currant Creek nr Fruitland	27	136	Apr-July	11.0	20
Lakefork below Moon Lake 1/	74	103	Apr-July	64	72
Yellowstone nr Altonah	68	102	Apr-July	46	67
Duchesne at Myton 1/	339	161	Apr-July	70	210
Whiterocks nr Whiterock	68	113	Apr-July	44	60
Uintah nr Neola	96	108	Apr-July	70	89
Duchesne at Randlett 1/	400	150	Apr-July	107	266
West Fork Duchesne at Hanna	34	131	Apr-July	15.4	26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork at Linwood	67	129	Apr-Sept	17.9	52
Black's Fork at Millburne	118	128	Apr-July	87	92
Flaming Gorge Inflow 1/	1550	120	Apr-July		1292
Ashley Creek nr VernaT	56	109	Apr-July	35	51

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Gauging Stations	THIS YEAR AS A PERCENT OF	
		Last Year	
		Last Year	Average
DUCHESNE RIVER - TOTAL	11	227	123
LAKEFORK-YELLOWSTONE CREEKS	4	188	114
STRAWBERRY RIVER	4	244	138
UINTAH - WHITEROCKS RIVERS	3	177	105
ASHLEY CREEK	4	171	104
BLACK'S FORK	4	238	139
ROCK CREEK	2	234	146
1/ Observed flow corrected for change in storage and diversions			
2/ Provisional flows - Subject to correction			

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USABLE STORAGE		
			This Year		
			This Year	Last Year	Average †
ASHLEY CREEK	Steinaker	33.3	23.0	26.7	21.9
GREEN RIVER	Flaming Gorge	3749.0	2663.9	2970.0	--
LAKE FORK	Moon Lake	35.8	18.6 ^e	16.7	18.3
STRAWBERRY	Starvation	165.3	144.4	150.7	130.0 ^b
UINTAH	Bottle Hollow	11.3	11.1	11.3	9.9 ^b

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Percent Range	
	Last Year	Average †
Strawberry at Duchesne		
Ashley Creek nr Vernal		
a - Maximum mean daily peak flow		

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Brown Duck Ridge	2/25	65	20.7	9.8	14.1 ^a
Currant Creek	2/27	30	10.1	1.2	7.8 ^a
Daniels-Strawberry	2/27	41	14.8	5.3	12.3
Hewinta G. S.	2/25	36	10.3	4.4	7.3
Hickerson Park	2/26	24	11.2	4.4	5.0 ^b
Jackson Park	2/25	44	11.3	6.8	--
Kings Cabin Upper	2/25	32	8.6	5.4	8.1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Lakefork Mountain	2/25	36	9.6	5.4	9.0
Mosby Mountain	2/26	29	7.5	3.6	7.7
Paradise Park	2/26	44	13.1	7.6	10.2
Rock Creek Ranch	2/25	22	7.4	2.2	--
Spirit Lake	2/26	42	11.6	8.6	9.7
Steel Creek Park	2/25	59	17.5	8.5	12.8 ^b
Strawberry Divide	2/27	56	20.9	8.8	16.5
Trout Creek	2/26	33	8.3	5.6	--
e - Estimated					

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



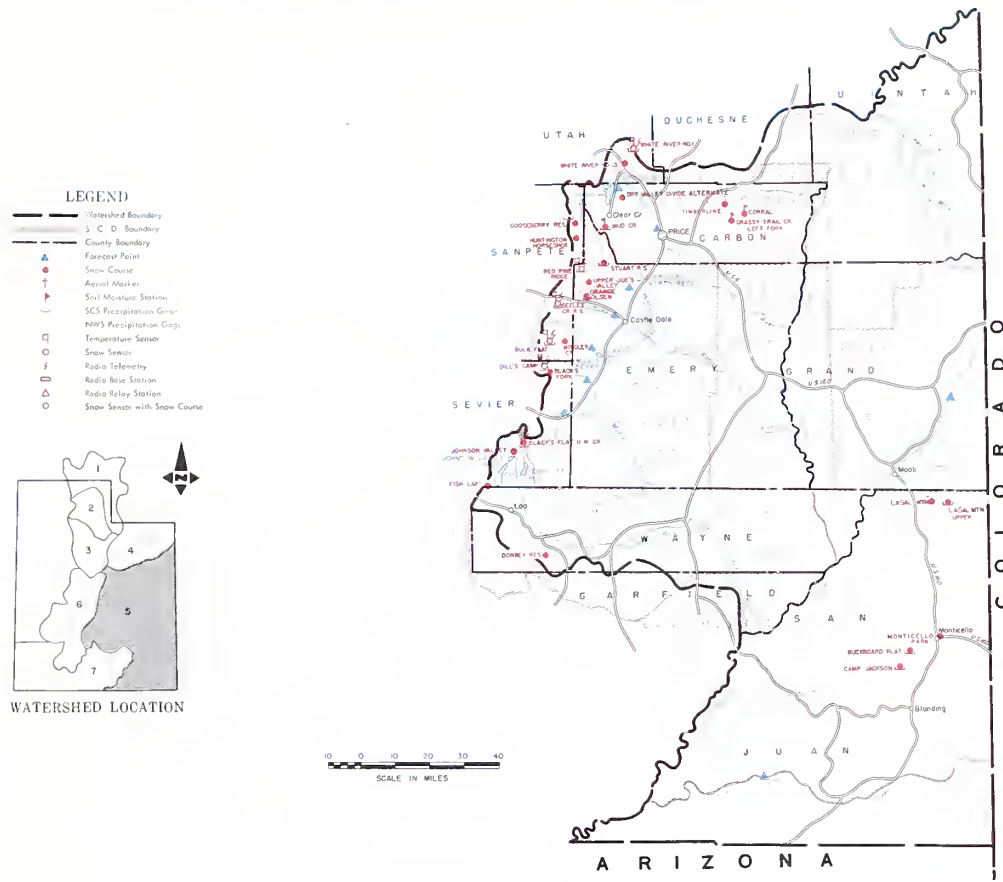
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER generally received less than the average February increase and now ranges from 80% of average on Blue Mountains to 139% on Price River. Fremont River courses show a gain to 129% of the March 1 average.

PRECIPITATION at mountain stations ranged from 66% of average at Orange Olsen near Joes Valley to 129% at Fish Lake.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is near average.

STREAMFLOW FORECASTS range from 67% of the April-July average for Mill Creek near Moab to 160% on Muddy Creek. Peak flows are forecast about 1 1/2 times average on Muddy and Ferron Creeks.

Water supplies are expected to be adequate for all users except in the Moab-Monticello-Blanding areas which are expected to be short of water in mid to late season.

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	12.8	128	Apr-July		10.1
Scofield Reservoir Inflow	50	140	Apr-July		36
Price nr Heiner 1/	94	148	Apr-July		64
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	65	191	Apr-July		49 ^b
Cottonwood Crk nr Orangeville	69	156	Apr-July	31	44 ^b
Ferron Creek nr Ferron	54	159	Apr-July	21	34
MUDDY CREEK					
Muddy Creek nr Emery	27	160	Apr-July	9.1	16.9
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3260	120	Apr-July		2716
Green at Green River, UT	3600	121	Apr-July		2974
Mill Creek nr Moab	3.4	67	Apr-July	2.1	5.1 ^b
Navajo Reservoir Inflow	700	115	Apr-July		608
San Juan nr Bluff, UT	995	115	Apr-July		865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	7.3	114	Apr-July	4.8	6.4

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	3	595	139
SAN RAFAEL RIVER	6	393	137
FREMONT RIVER	3	544	129
LASAL MOUNTAINS	2	112	91
BLUE MOUNTAINS	2	333	80

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
PRICE RIVER	Scofield	65.8	35.7	50.4	35.8
SAN RAFAEL	Huntington North	3.9	2.7	2.8	3.0 ^b
	Joe's Valley	54.6	31.7	37.0	36.9 ^b
	Mill Site	16.7	6.6	10.0 ^e	--
SAN JUAN	Navajo	1696.0	1202.9	1253.0	--
	Ken's Lake	2.7	1.3	--	--
+ - 1963-77 15 Year Average Period					
b - Average of all past record - less than 15 years					

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Ferron Creek near Ferron	550-860	422
Muddy Creek near Emery	200-330	154
(a) - Maximum mean daily peak flow		

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME				Last Year	Average †
Buck Flat	2/25	59	20.1	5.1	13.3
Buckboard Flat	2/25	24	6.7	2.3	8.8
Camp Jackson	2/25	30	8.6	2.3	10.3
Dills Camp	2/25	44	14.7	2.3	9.8 ^a
Dry Valley Divide Alternate	2/27	36	12.5	0.5	--
Huntington-Horseshoe	2/26	64	26.0	8.8	19.5 ^a
LaSal Mtn. Lower	2/26	20	5.0	5.2	7.1
LaSal Mtn. Upper	2/26	40	12.1	10.0	11.6 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME				Last Year	Average †
Mammoth-Cottonwood R.S.	2/26	60	23.3	7.8	17.4
Monticello City Park	2/25	0	0.0	0.0	--
Mud Creek	2/26	48	16.4	3.6	11.4
Seeley Creek	2/26	43	15.7	3.2	13.4
White River #1	2/27	45	14.9	4.0	11.3
White River #3	2/27	31	10.7	0.1	7.6

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



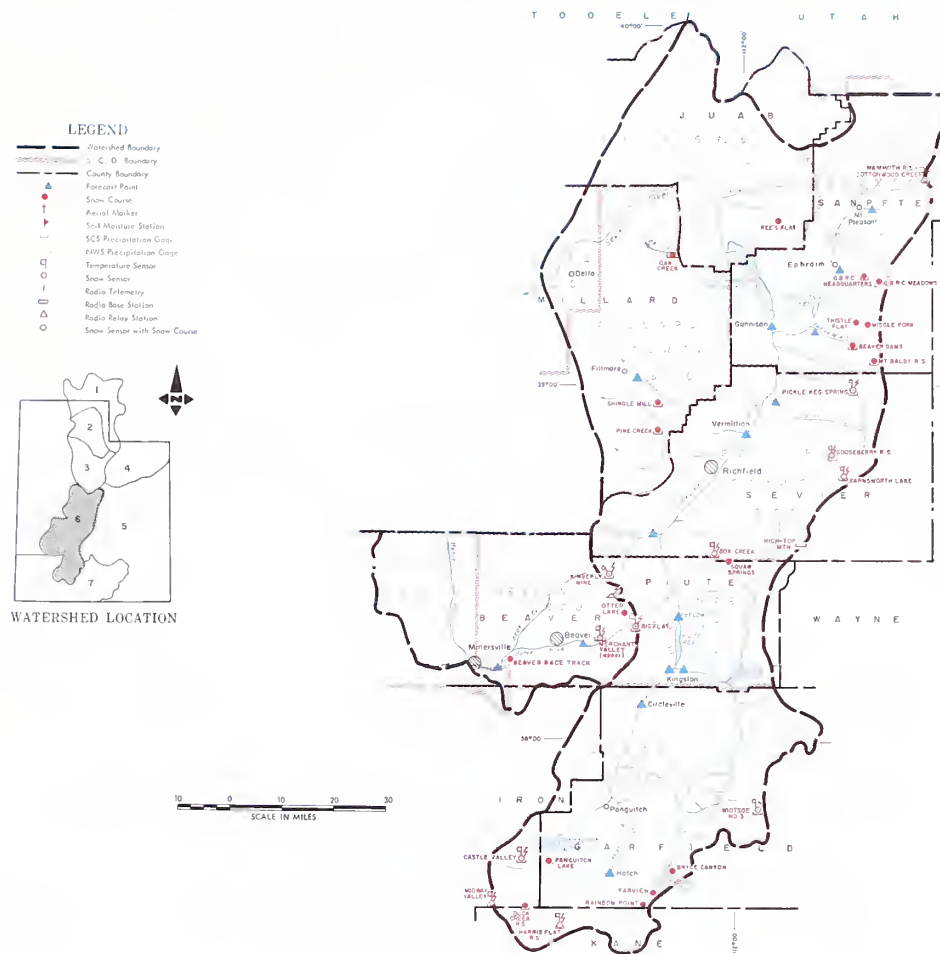
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER increased at better than a normal amount on Beaver River but less than normal on the Sevier River and now ranges from 89% of the March 1 average on the South Fork Sevier to 137% on Beaver River. The East Fork Sevier is 123% and the Lower Sevier 120% of average.

PRECIPITATION at mountain stations ranged from 67% of the February average at Duck Creek to 103% at G.B.R.C. Meadows.

SOIL MOISTURE is near average at higher elevations.

RESERVOIR STORAGE is above average. Sevier reservoirs are 149% of average and Minersville is 131% of average.

STREAMFLOW FORECASTS generally dropped after a drier than average February and now range from 87% on Chalk Creek to 167% of average for Minersville Inflow for the April-June period. Beaver near Beaver is forecast 163% of average and the peak flow at Beaver is expected to be about 180% of the 15 year average. Water supplies are expected to be near average on the Sevier and above average on the Beaver.

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
SEVIER RIVER					
Sevier at Hatch	43	106	Apr-July		41
Sevier nr Circleville	36	119	Apr-July		29
Sevier nr Kingston	25	109	Apr-July		23
Antimony Crk nr Antimony	9.0	123	Apr-July		6.9
East Fork Sevier nr Kingston	17.0	112	Apr-July		15.2
Sevier below Piute Dam	38	106	Apr-July		36
Clear Crk nr Sevier (abv Div)	21	120	Apr-July		17.8
Sigurd to Gunnison	31	118	Apr-July		
Kingston to Vermillion Dam	60	107	Apr-June		56
Vermillion Dam to Gunnison	41	118	Mar-June		35
Salina Creek at Salina	14.0	121	Apr-June		11.1
Sevier nr Gunnison	54	108	Apr-July		50
Chalk Creek nr Fillmore	14.2	87	Apr-July		16.3
Chicken Creek nr Levan	4.6	148	Apr-July	1.4	3.1
Oak Cr. nr Oak City	1.4	97	Apr-July	0.9	1.4
Ephraim Creek nr Ephraim	18.1	125	Apr-July		8.6
Pleasant Crk nr Mt. Pleasant	10.0	119	Apr-July		
Salt Creek nr. Nephi	16.7	137	Apr-July		12.2
Beaver nr Beaver	33	163	Apr-July	19.3	20
North Creek (Combined)	19.6	143	Apr-July		13.7
Minersville Inflow	11.0	167	Apr-June		6.6

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
SEVIER RIVER	Gunnison	18.2	16.0	18.2	14.0
	Otter Creek	52.5	44.8	52.5	33.1
	Piute	71.8	64.4	70.5	44.9
	Sevier Bridge	236.0	198.5	230.8	131.4
BEAVER RIVER	Minersville (Rky Fd)	23.3	17.7	24.1	13.5

b - Average of all past record - less than 15 years
+ - 1963-77 15 Year Average Period
Estimated

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER SEVIER RIVER			
East Fork Sevier	4	400	123
South Fork Sevier	6	279	89
LOWER SEVIER	12	245	120
BEAVER RIVER	3	275	137

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction

PEAK FLOWS

FORECAST POINT	PEAK FLOW (5-COND FEET)	
	Forecast Range	Average †
Beaver River nr Beaver	250 - 515	211

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Big Flat	2/3	56	18.2	7.3	12.8
Bryce Canyon	3/3	14	4.9	0.0	3.9
Castle Valley	2/23	33	11.5	4.6	10.6
Duck Creek	2/24	28	8.0	1.6	10.7
Farnsworth Lake	2/25	57	18.1	8.6	15.1
Gooseberry R.S.	2/25	33	11.5	4.3	10.1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Harris Flat	2/24	20	4.8	0.0	6.9
Kimberly Mine	2/23	45	14.1	7.5	12.3
Long Valley Junction	2/24	10	2.8	0.0	4.0
Merchants Valley Upper	2/23	37	9.6	4.1	9.6
Midway Valley	2/24	41	12.2	5.7	16.6
Otter Lake	2/23	54	16.4	4.7	9.9
Pickle Keg Springs	2/25	47	16.8	6.5	13.2
Widtsoe-Escalante #3	2/24	37	10.1	4.8	8.3

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

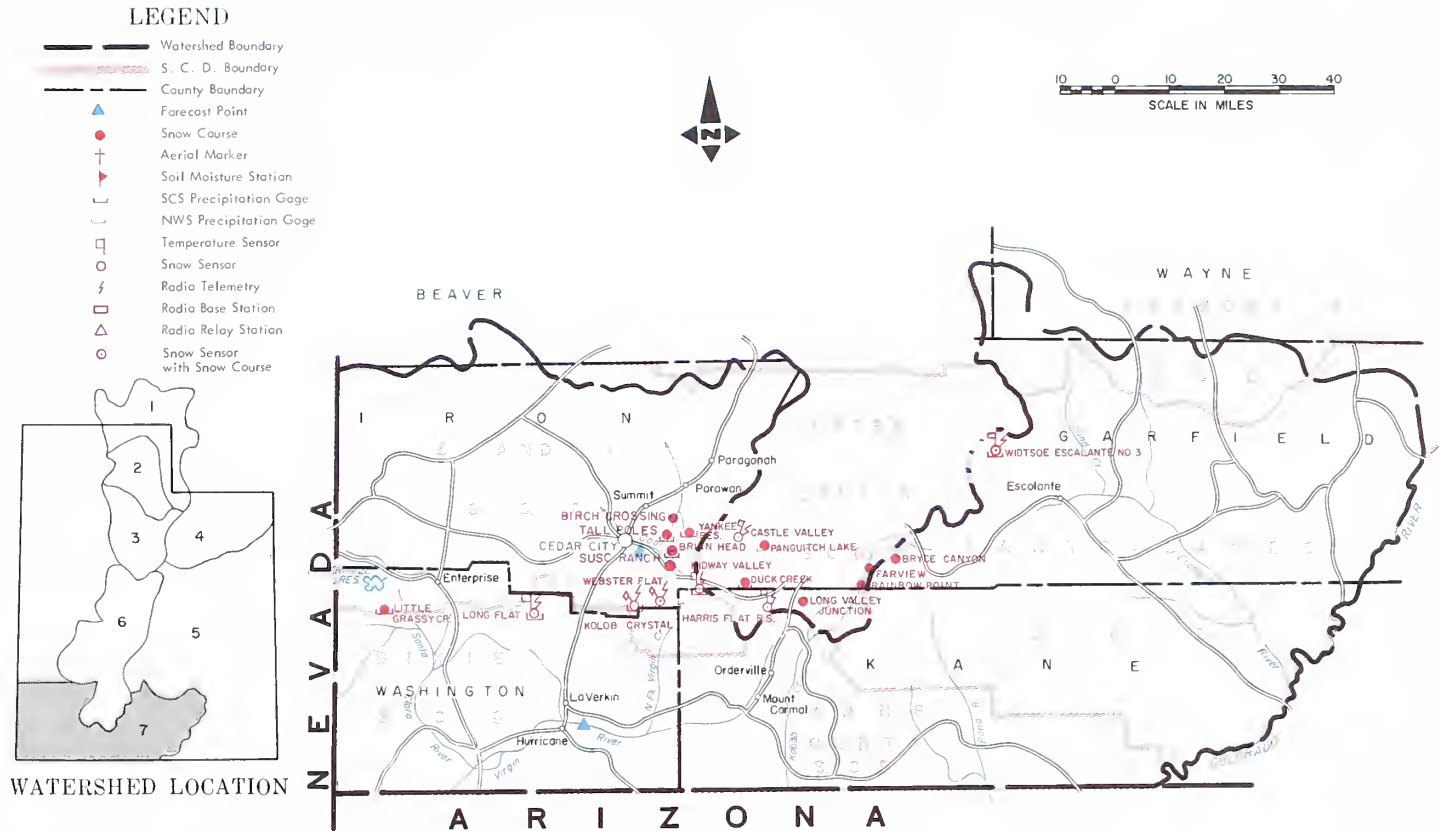


"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER did not increase at the normal rate during February and now ranges from 52% of the March 1 average in the Enterprise-New Harmony area to 95% for Parowan Creek drainage. Virgin River is 74% and Coal Creek 79% of average.

PRECIPITATION at mountain stations ranged from 61% of the February 1 average at Tall Poles to 71% at Webster Flat.

SOIL MOISTURE is below average.

RESERVOIR STORAGE in local reservoirs was not reported. Lake Powell is about 2 million acre feet below last year on March 1.

STREAMFLOW FORECASTS range from 70% of the April-June average on the Virgin to 89% on Coal Creek. Santa Clara is now forecast 73% of average and the Inflow to Lake Powell 118% of the April-July average.

Water supplies from direct streamflow diversions are expected to be short in the late season this year.

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
VIRGIN RIVER					
Virgin nr Hurricane	35	70	Apr-June		48
Santa Clara nr Pine Valley	3.0	73	Apr-June		4.1
COAL CREEK					
Coal Creek nr Cedar City	14.8	89	Apr-July		16.7
UPPER COLORADO					
Lake Powell Inflow	8,200	118	Apr-July		6952
2 - Provisional Flows - Subject to correction					

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	3	274	107
VIRGIN RIVER	3	302	74
PAROMAN CREEK	4	295	95
ENTERPRISE - NEW HARMONY	2		52

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
COLORADO	Lake Powell	25002.0	1947.0	21635.0	--
	Blue Mesa	829.5	267.0	446.5	
b - Average of all past record - less than 15 years					
+ - 1963-77 15 year Average Period					

PEAK FLOWS

FORECAST POINT	PEAK FLOW (THOUSAND FEET)	
	Forecast Range	Average †
Coal Creek nr Cedar City		
Virgin nr Virgin		
(a) - Maximum mean daily peak flow		

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Birch Crossing	2/25	18	5.6	1.0	6.0 ^b
Brian Head	2/25	52	16.2	6.0	16.3 ^b
Harris Flat	2/24	20	4.8	0.0	6.9
Kolob-Crystal	2/24	40	11.6	4.3	17.3 ^a
Little Grassy	2/24	4	1.1	0.0	3.6
Long Flat	2/24	14	3.7	0.0	5.6

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Long Valley Junction	2/24	10	2.8	0.0	4.0
SUSC Ranch	2/25	19	6.3	1.0	7.5 ^b
Tall Poles	2/25	35	10.5	4.0	11.5 ^b
Webster Flat	2/24	36	11.6	4.3	13.9
Yankee Reservoir	2/23	26	6.9	2.3	7.4

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

SNOW

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)						
	DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
					Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
NAME												
GREAT BASIN												
UPPER BEAR RIVER												
(Above Harer, Idaho)												
Burts-Miller Ranch	2/25	18	5.8	3.1		2/25	1.20	0.93 ^b	10.70	7.25 ^b	148	
CCC Camp	2/25	44	11.8	6.2	11.1							
Hayden Fork	2/25	45	15.1	6.8	12.7 ^a	2/25	3.88	2.87 ^a	23.81	12.86 ^a	185	
Monte Cristo R.S.	2/24	67	24.8	7.9	22.0	2/24	4.98	4.15	26.59	21.27	125	
Salt River Summit	2/25	61	17.8	8.2	14.4	2/25	2.56	2.91	20.62	14.26	145	
Stillwater Camp	2/25	37	11.0	3.7		2/25	1.28	1.64 ^b	15.59	10.09 ^b		
Lily Lake	2/25	51	15.6	8.0		2/25		2.23 ^b	17.82	12.11 ^b	147	
LOWER BEAR RIVER												
(Below Harer, Idaho)												
Bug Lake	2/24	69	22.9	7.1	15.6 ^a	2/24	3.60 ^a	5.28 ^b	23.20 ^a	18.21 ^b	127	
Christensen Ranch	2/23	27	9.5	5.0	7.9							
Cliff Canyon	2/23	29	10.0	3.0								
Cub River R.S.	2/23	23	8.4	4.9	8.4							
Daniels Creek	2/23	23	7.1	3.7								
Dry Basin	2/23	82	30.7	11.6	24.2 ^b							
Dry Creek Flat	2/23	25	9.3	0.8	7.4	2/23			31.15			
Emigrant Summit	2/24	78	29.4	8.5	21.7							
Emigration Canyon	2/24	35	11.4	5.0	9.7							
Franklin Basin	2/23	70	26.2	10.2	22.7	2/23	5.50 ^a	5.78 ^a	34.60 ^a	21.23 ^a	163	
Garden City Summit	2/24	55	18.2	5.9	15.3	2/24	3.84	3.47	19.41 ^a	15.80	123	
Horseshoe Basin	2/23	72	27.5	10.9	22.0 ^b							
Klondike Narrows	2/23	59	21.5	7.5	17.3	2/23	4.36	4.99 ^b	24.57	19.93 ^b	123	
Liberty Spring	2/23	124	46.9	13.7	32.7							
Little Bear (lower)	2/24	25	9.9	4.6	9.2							
Little Bear (upper)	2/24	30	11.5	5.1	10.9	2/24	4.00 ^a	3.19 ^a	25.60 ^a	17.14 ^b	149	
Lower Elkhorn	2/23	49	18.0	5.5	12.7 ^b							
Oxford Mountain	2/23	34	11.6	4.3	9.4 ^b							
Slug Creek Divide	2/24	52	17.3	8.0	14.8							
Steep Hollow #1	2/23	108	41.1	14.6	30.8							
Steep Hollow #2	2/23	74	26.7	10.0	22.4							
Strawberry Creek	2/24	30	10.9	4.2	9.6							
Strawberry Mink Divide	2/23	61	21.0	7.5	18.7							
Tony Grove Lake	2/24	107	40.5	11.6	28.4 ^a	2/24	5.20 ^a	5.76 ^a	43.40 ^a	31.69 ^a	137	
Tony Grove R.S.	2/24	41	12.8	4.1	10.9	2/24	2.90	3.10 ^b	22.60	14.93 ^b	151	
Upper Elkhorn	2/23	60	20.3	6.9	16.4 ^b							
Willow Flat	2/23	42	14.9	6.2	13.9	2/23	4.89	3.71	27.30	18.85	145	
Worm Creek	2/23	50	16.9	8.0								
OGDEN RIVER												
Beaver Creek-Skunk Creek	2/24	35	12.2	3.8	10.8							
Ben Lomond Peak	2/24	93	34.7	13.3	29.1	2/24	8.90 ^a	7.67 ^b	44.20 ^a	34.23 ^b	129	
Ben Lomond Trail	2/24	50	19.6	6.9	15.7 ^b	2/24	6.38	4.47 ^b	23.66	24.98 ^b	95	
Causey Dam						2/24	2.80	2.42 ^b	15.11	11.91	127	
Dry Bread Pond	2/24	52	18.4	6.3	16.0	2/24	3.20 ^a	3.47 ^b	20.80 ^a	16.96 ^b	123	
Sagebrush Flat	2/24	18	6.5	0.1	5.0			2.58		12.07		
WEBER RIVER												
Beaver Creek R.S.	2/25	27	9.9	3.8	7.5							
Chalk Creek #1	2/25	72	24.9	11.4	18.0	2/25	3.50 ^a	4.60 ^a	29.70 ^a	18.38 ^a	162	
Chalk Creek #2	2/25	48	15.0	8.3	12.2	2/25	1.80 ^a	2.24 ^b	18.10 ^a	13.17 ^b	137	
Chalk Creek #3	2/25	23	7.8	4.4	6.7	2/25	1.42	1.82 ^b	16.15	11.26 ^b	143	
Farmington Canyon (lower)	2/24	56	20.4	10.6	18.4 ^b	2/24	4.98	4.04 ^b	28.93	22.40	129	
Farmington Canyon (upper)	2/24	79	27.9	11.8	25.3 ^b	2/24	6.50 ^a	6.17 ^a	36.30 ^a	22.44 ^a	162	
Farmington G.S.	2/24	54	18.9 ^a	8.0		2/24	5.38	4.21 ^b		19.40 ^b		
Hardscrabble	2/24	42	16.1									
Horse Ridge	2/24	61	22.2	7.0	18.2 ^b	2/24	4.60	3.79 ^b	27.20 ^a	19.40 ^b	140	
Kilfoil Creek	2/24	46	14.1	4.3	11.6 ^b							
Lost Creek Reservoir	2/24	19	7.1	0.0	4.9 ^b	2/24	1.52	1.72 ^b	14.07	9.16 ^b	154	
Park City Summit	3/3	101	38.8	17.0								
Parley's Canyon Summit	2/25	54	17.8	7.6	16.1	2/25	3.32	3.68	24.92	18.48	135	
Pine Canyon	2/26	44	16.9									
Redden Mine (lower)	2/25	50	16.9	7.9	15.0	2/25	2.49		23.23			
Smith & Morehouse	2/25	35	13.0	6.3	11.4	2/25	2.11	2.81	16.31	14.71	111	
Sargeant Lake (A)												

SNOW

SNOW	THIS YEAR					PAST RECORD		PRECIPITATION (Inches)					
	DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE			
					Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average	
GREAT BASIN CONT.													
PROVO RIVER & UTAH LAKE													
Beaver Creek Divide	2/25	38	13.3	5.3	10.9 ^a	2/25	2.44 ^a		23.72 ^a				
Camp Altamont	2/27	41	17.1	9.8	13.4								
Clear Creek Ridge #1	2/27	53	19.1	7.0	15.6								
Clear Creek Ridge #2	2/27	47	16.1	6.5	11.8	2/27	2.59	2.48 ^b	16.16	13.35 ^b	121		
Clear Creek Ridge #3	2/27	28	10.1	2.8	6.9								
Dutchman R.S.	2/27	53	22.0	10.6	14.4	2/27	3.95						
Hobble Creek Summit	2/27	46	16.8	5.2	12.3	2/27		4.39 ^b		17.75 ^b			
Payson R.S.	2/22	52	19.2	6.6	16.5 ^b	2/22	2.19 ^a		20.19 ^a	14.49	139		
Soapstone R.S.	2/25	41	13.9	6.0	11.1	2/25	2.43	3.01	20.02	15.05	133		
South Fork R.S.	2/27	21	9.4	3.6	6.1								
Timpanogos Cave Camp	2/27	6	2.4	0.1	2.4								
Timpanogos Divide	2/27	60	23.0	12.8	21.5	2/27	3.95	4.30	26.15	21.73	120		
Trial Lake	2/25	77	28.1	12.1	20.0	2/25	2.81	3.87	30.40 ^a	20.07	139		
JORDAN RIVER & GREAT SALT LAKE													
Bevan's Cabin													
Lamb's Canyon #2	2/25	48	17.8	8.1		2/25	1.96		24.92 ^a				
Middle Canyon	3/1	26	9.3	7.5	12.1	3/1	2.45	2.79	21.40	13.02	164		
Mill Creek	2/25	57	19.3	8.4									
Mill D South Fork	2/26	55	21.5	8.8	17.1								
Mt. Dell Dam								1.77		11.14			
Rock Basin-Settlement	3/1	56	20.3	12.9		3/1	2.78		26.44 ^a				
Silver Lake (Brighton)	2/26	70	26.2	11.1	19.6								
Snow Bird (Gad Valley)	2/26	105	35.0	11.2									
Vernon Creek	2/28	28	8.6	6.1	9.3 ^a	2/28	1.70		17.27	12.76 ^b	135		
Desert Peak	3/1	64	24.6			3/1	9.25		32.04				
COLORADO RIVER DRAINAGE													
UPPER GREEN RIVER - UTAH													
Ashley-Twin Lakes (A)				11.9									
Black's Fork G.S.-East Fork	2/25	36	11.0	3.9	7.4	2/25	1.60		13.95	9.51	147		
Black's Fork Junction	2/25	33	9.7	3.6	7.4	2/25	1.20		13.62	9.37	145		
Buck Pasture (A)				10.6									
Burnt Creek	2/25	15	3.2	3.3	4.2 ^b	2/25	1.20	1.23 ^b	9.40	7.32 ^b	128		
Grizzly Ridge	2/25	22	6.0	4.0	8.0 ^b	2/25	0.80	1.80 ^b	12.40	10.55	118		
Hewinta G.S.	2/25	36	10.3	4.4	7.3	2/25	0.87		13.73	10.06	136		
Hickerson Park	2/26	24	6.2	4.4	5.0 ^b	2/26	0.84		7.95	7.65 ^b	104		
King's Cabin (upper)	2/26	32	8.6	5.4	8.1	2/26	0.83		11.60	9.24			
Reynolds Park (A)				13.5									
Spirit Lake	2/26	42	11.6	8.6	9.7	2/26	1.43		14.73	11.04	133		
Steel Creek Park	2/25	59	17.5	8.5	12.8 ^b	2/25	2.50 ^a		18.00 ^a				
Trout Creek	2/26	33	8.3	5.6		2/26	0.75		8.92				
Henrys Fork (A)				8.9									
DUCHESNE RIVER													
Atwood Lake (A)				7.8									
Brown Duck Ridge	2/25	65	20.7	9.8	14.1 ^a	2/25	1.88 ^a		22.10 ^a				
Chepeta	2/26	45	11.8	8.1		2/26	0.38 ^a		14.65 ^a				
Currant Creek	2/27	30	10.1	1.2	7.8 ^a	2/27	1.70		18.31				
Daniels-Strawberry Summit	2/27	41	14.8	5.3	12.3	2/27	1.92	3.10	22.65	15.13	150		
East Portal	2/27	40	15.0	6.0	9.6	2/27	1.82	3.08	22.25	14.22	156		
Five Points Lake (A)				11.5									
Indian Canyon	2/26	44	13.1	4.9	10.1	2/26	1.93	2.18	15.97	10.87			
Jackson Park	2/25	44	11.3	6.8	12.2 ^a	2/25	0.63		24.33				
Lakefork Basin (A)				10.8									
Lakefork Mountain #1	2/25	36	9.6	5.4	9.0	2/25	0.77	1.86	14.08	10.54	134		
Lakefork Mountain #3	2/25	19	4.6	2.6	5.3								
Lightning Lake (A)				14.4									
Mosby Mountain	2/26	29	7.5	3.6	7.7	2/26	1.00 ^a	1.66 ^b	12.40 ^a	10.53			
Paradise Park	2/26	44	13.1	7.6	10.2	2/26	0.96	1.91 ^b	15.55	11.27	138		
Rock Creek Ranch	2/25	22	7.4	2.2	5.2 ^a	2/25	0.60		13.03				
Strawberry Divide	2/27	56	20.9	8.8	16.5	2/27	2.90 ^a		32.20 ^a				

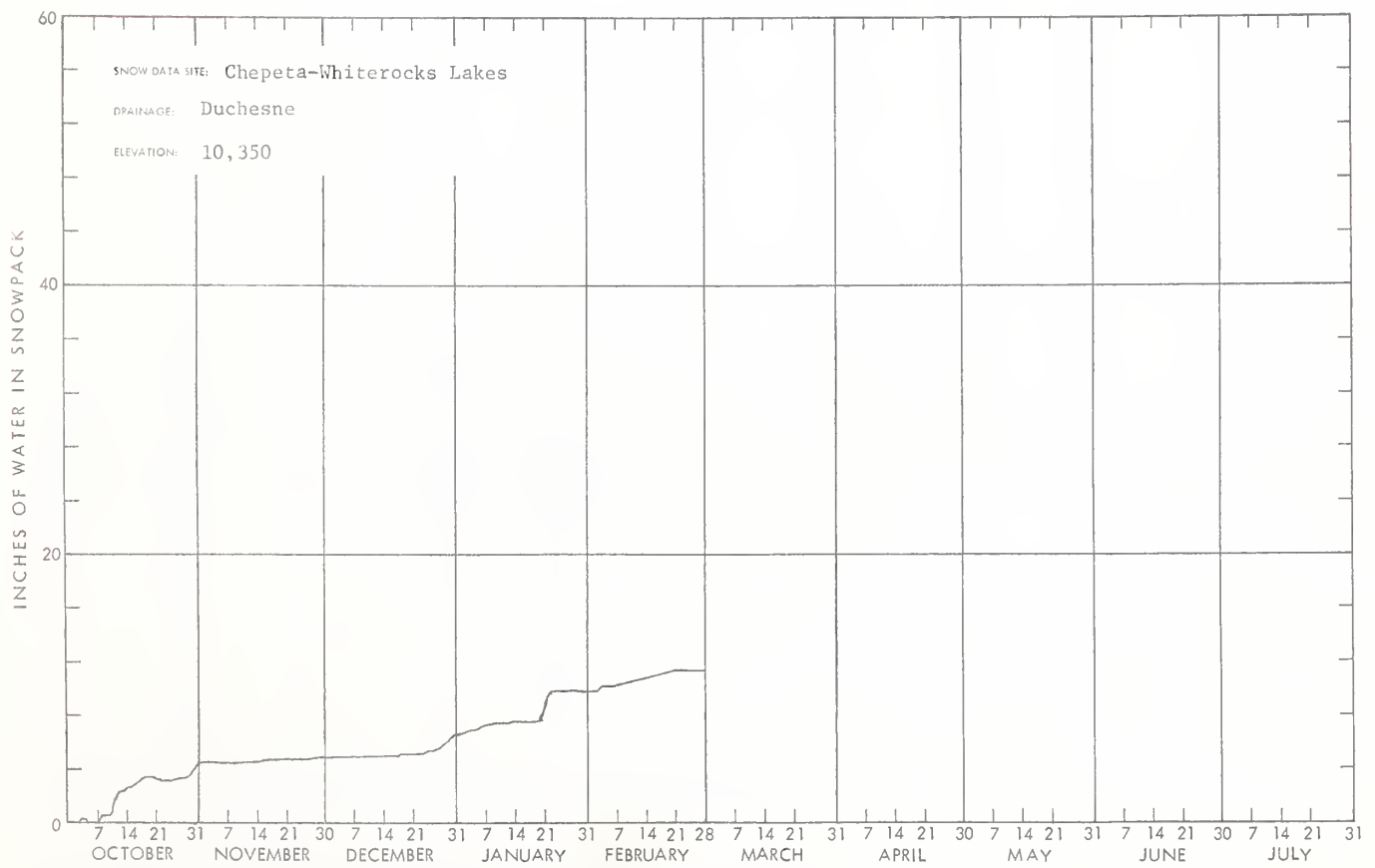
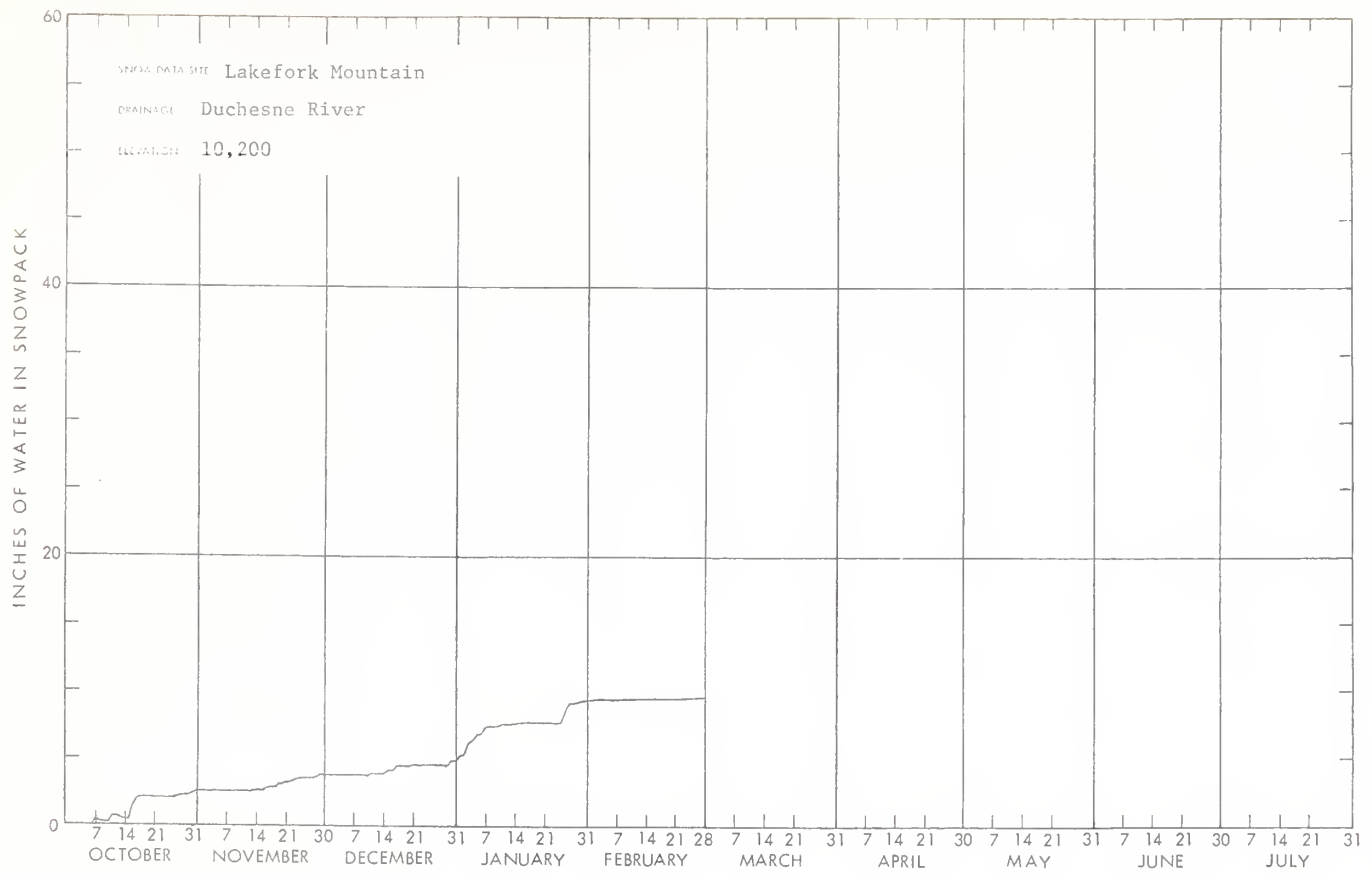
SNOW

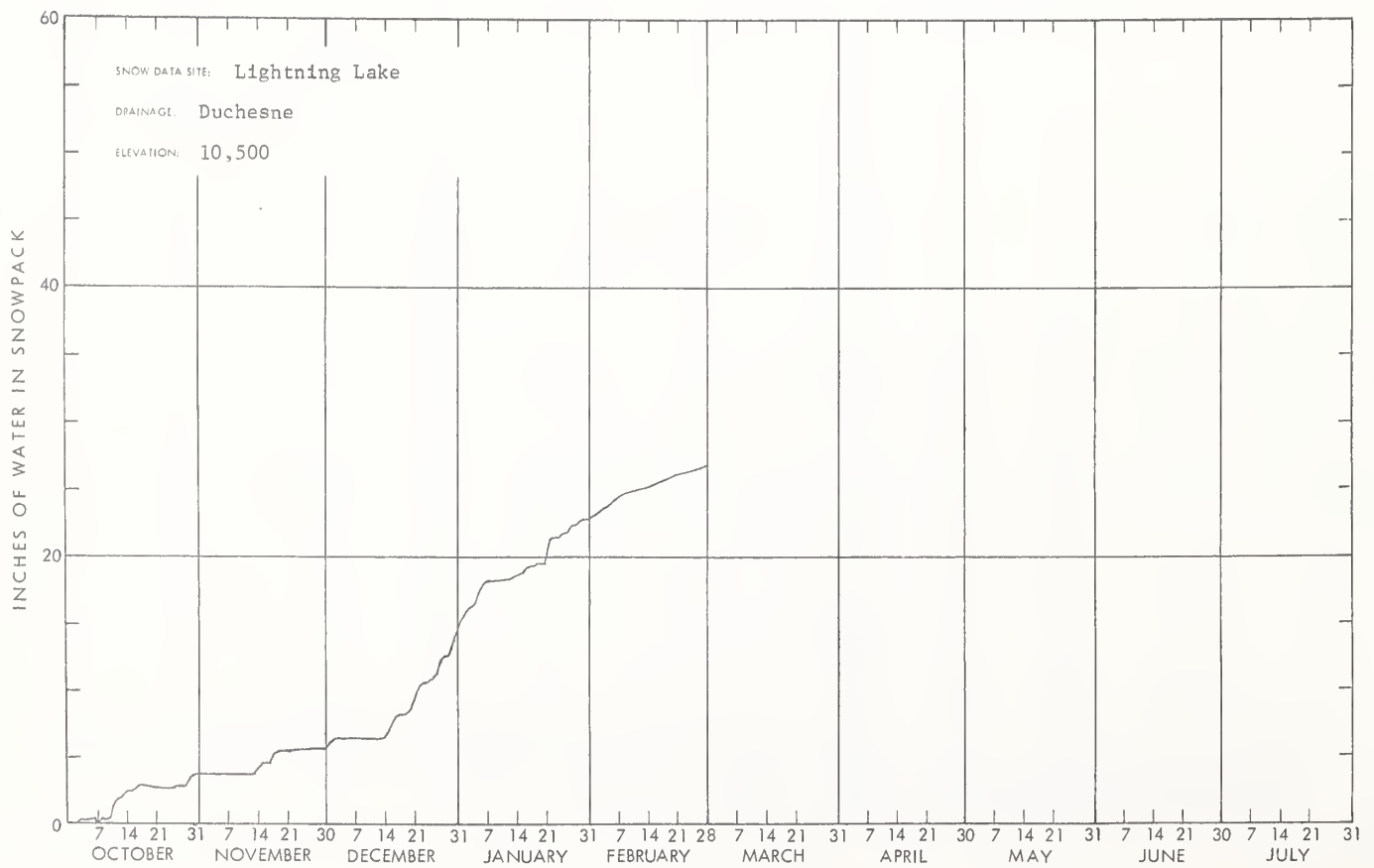
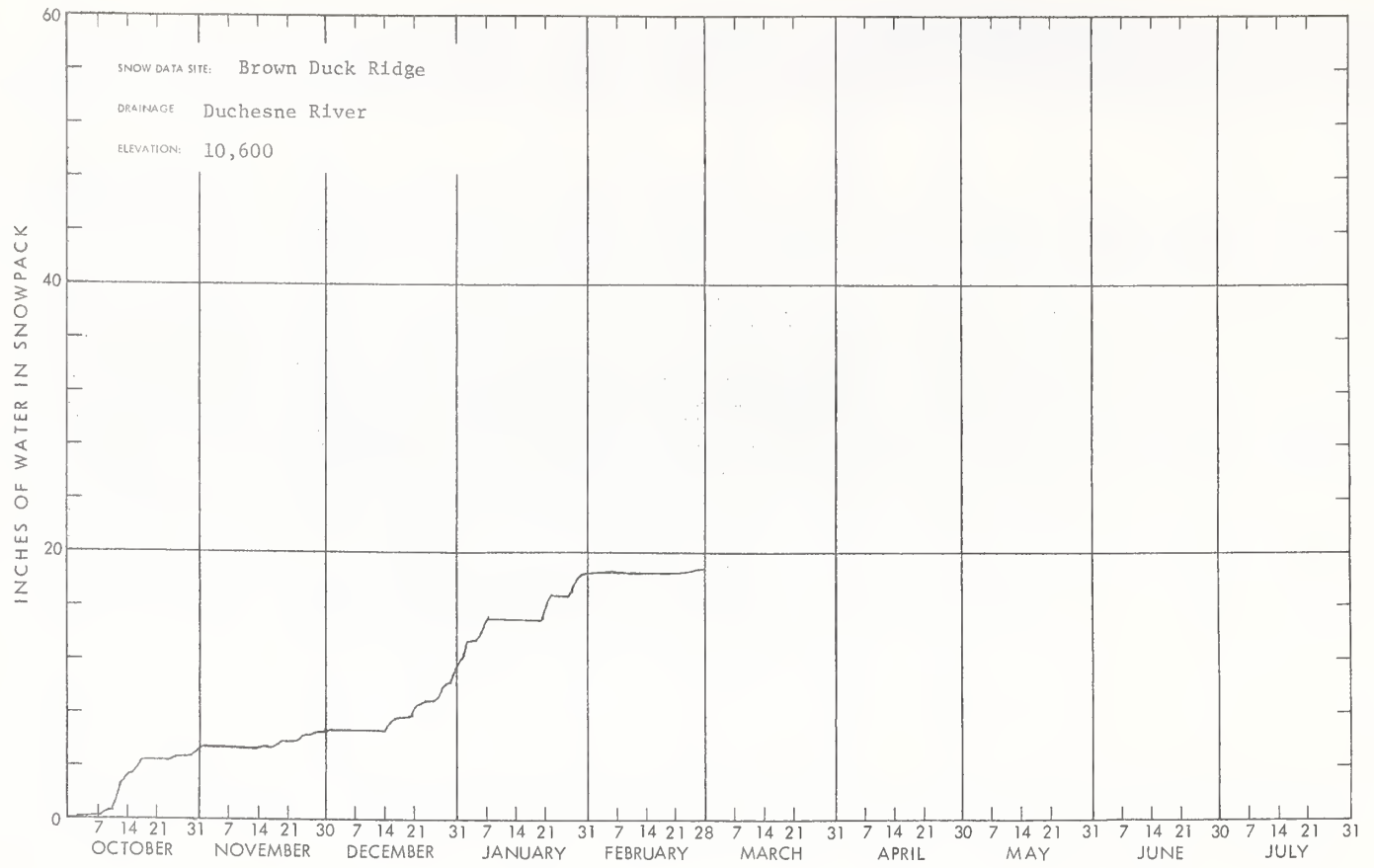
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
PRICE RIVER											
Dry Valley Divide Alternate	2/27	36	12.5	0.5							
Mud Creek	2/26	48	16.4	3.6	11.4	2/26	1.71	2.49	17.90 ^a	11.69	153
White River #1	2/27	45	14.9	4.0	11.3	2/27	1.73		17.39	11.08	160
White River #3	2/27	31	10.7	0.1	7.6						
SAN RAFAEL RIVER											
Buck Flat	2/25	9	20.1	5.1	13.3	2/25	2.60	3.21	21.95	14.50	151
Huntington-Horseshoe	2/26	64	26.0	8.8	19.5 ^a						
Orange Olsen	2/26	22	6.6	0.0		2/26	0.77	1.17	10.38	6.39	162
Red Pine Ridge	2/26	56	19.6	4.3	14.3	2/26	3.34	3.48	24.76	16.25	152
Seeley Creek R.S.	2/26	43	15.7	3.2	13.4	2/26	1.31 ^a		16.60 ^a		
Stuart R.S.	2/26	33	11.2	0.0		2/26	1.36		13.18		
Upper Joe's Valley	2/26	40	12.7	1.8	8.8						
Wrigley Creek	2/25	40	12.8	4.0	8.9						
MUDDY RIVER											
Black's Fork	2/25	46	16.1	3.6	10.8 ^a						
Dill's Camp	2/25	44	14.7	2.3	9.8 ^a	2/25	2.58		20.87		
FREMONT RIVER											
Black's Flat-U.M. Creek	2/25	37	11.4	2.5	8.9	2/25	2.50 ^a		13.60 ^a	9.64 ^b	141
Fish Lake	2/25	28	8.4	1.6	6.6	2/25	1.48	1.15	10.50 ^a	7.50	140
Johnson Valley	2/25	27	7.4	0.9	5.6						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	2/25	24	6.7	2.3	8.8	2/25	1.60		13.55	15.18	89
Camp Jackson	2/25	30	8.6	2.3	10.3	2/25	1.85		12.05	14.27	84
LaSal Mountain (lower)	2/26	20	5.0	5.2	7.1						
LaSal Mountain (upper)	2/26	40	12.1	10.0	11.6 ^b	2/26	1.70		16.03	11.04	
Monticello City Park	2/25	0	0.0	0.0							
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	2/25	42	13.0	4.1	10.7	2/25	2.13		15.45	11.10	139
Bryce Canyon	3/3	14	4.9	0.0	3.9						
Castle Valley	2/23	33	11.5	4.6	10.6	2/23	1.63		12.31	11.12	111
Duck Creek R.S.	2/24	28	8.0	1.6	10.7	2/24	1.57	2.35 ^b	15.75	13.25	119
Farview				1.3							
Harris Flat	2/24	20	4.8	0.0	6.9	2/24	1.10 ^a		11.50 ^a		
Kimberly Mine	2/23	45	14.1	7.5	12.3	2/23	2.86	3.18 ^b	19.31	14.38	134
Midway Valley	2/24	41	12.2	5.7	16.6	2/24	2.60 ^a		16.4 ^a		
Panguitch Lake	2/23	15	3.6	0.0	3.8	2/23	1.24		8.99	6.51 ^b	138
Rainbow Point				1.6							
Squaw Springs	2/25	27	7.6	0.0	6.1						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	2/26	31	11.0	4.0	9.6 ^b	2/26	2.12		16.82	10.66	158
Farnsworth Lake	2/25	57	18.1	8.6	15.1	2/25	3.65	3.59	19.66	15.23	129
G.B.R.C. Headquarters	2/26	40	14.1	6.6	13.0	2/26	2.47	2.69	19.88	14.21	140
G.B.R.C. Majors								1.30		6.95	
G.B.R.C. Meadows	2/26	68	24.3	9.4	18.6	2/26	3.68	3.59	24.73	17.57	141
G.B.R.C. Oaks								1.88		9.70	
Gooseberry R.S.	2/25	33	11.5	4.3	10.1	2/25	2.48	2.38 ^b	14.98	9.87 ^b	152
Mammoth-Cottonwood Creek	2/26	60	23.3	7.8	17.4	2/26	2.25 ^a		28.40 ^a		
Mt. Baldy R.S.	2/26	72	25.8	8.7	18.6 ^b					13.76	
Oak Creek	2/22	28	8.5	4.7	10.0 ^a	2/22	1.13		17.14		
Pickle Keg Springs	2/25	47	16.8	6.5	13.2 ^a	2/25	3.90 ^a		20.40 ^a		
Pine Creek	2/23	40	13.6	5.7	13.1	2/23	3.20		22.58	18.53	122
Ree's Flat	2/22	43	14.8	6.5	10.3 ^b	2/22	2.43		18.27		
Shingle Mill	2/25	24	6.1	3.9	7.6	2/25	1.96	2.33 ^b	16.22	12.58	129
Gooseberry Reservoir						2/26	2.33	2.38 ^b	23.66	15.36	154

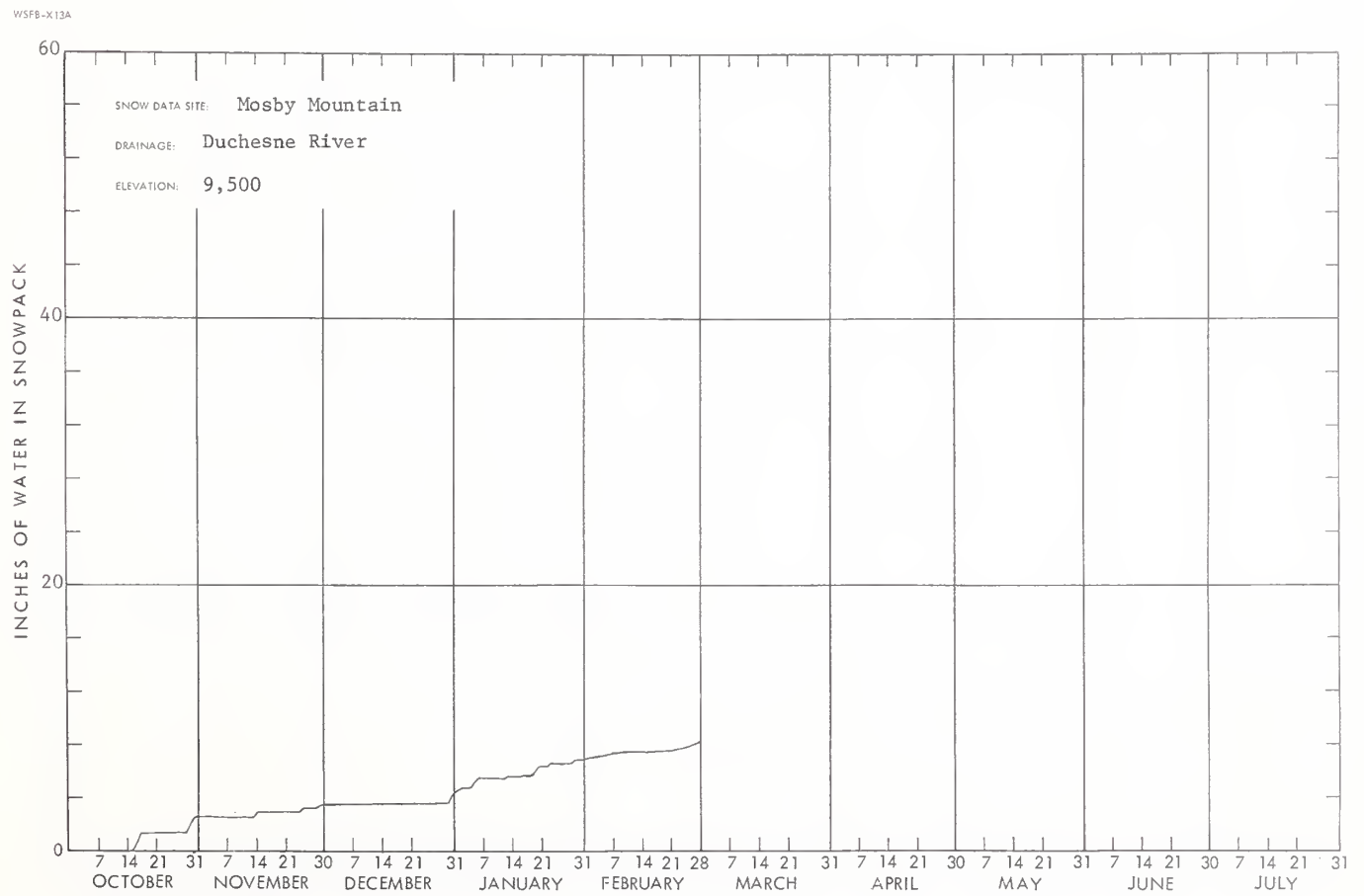
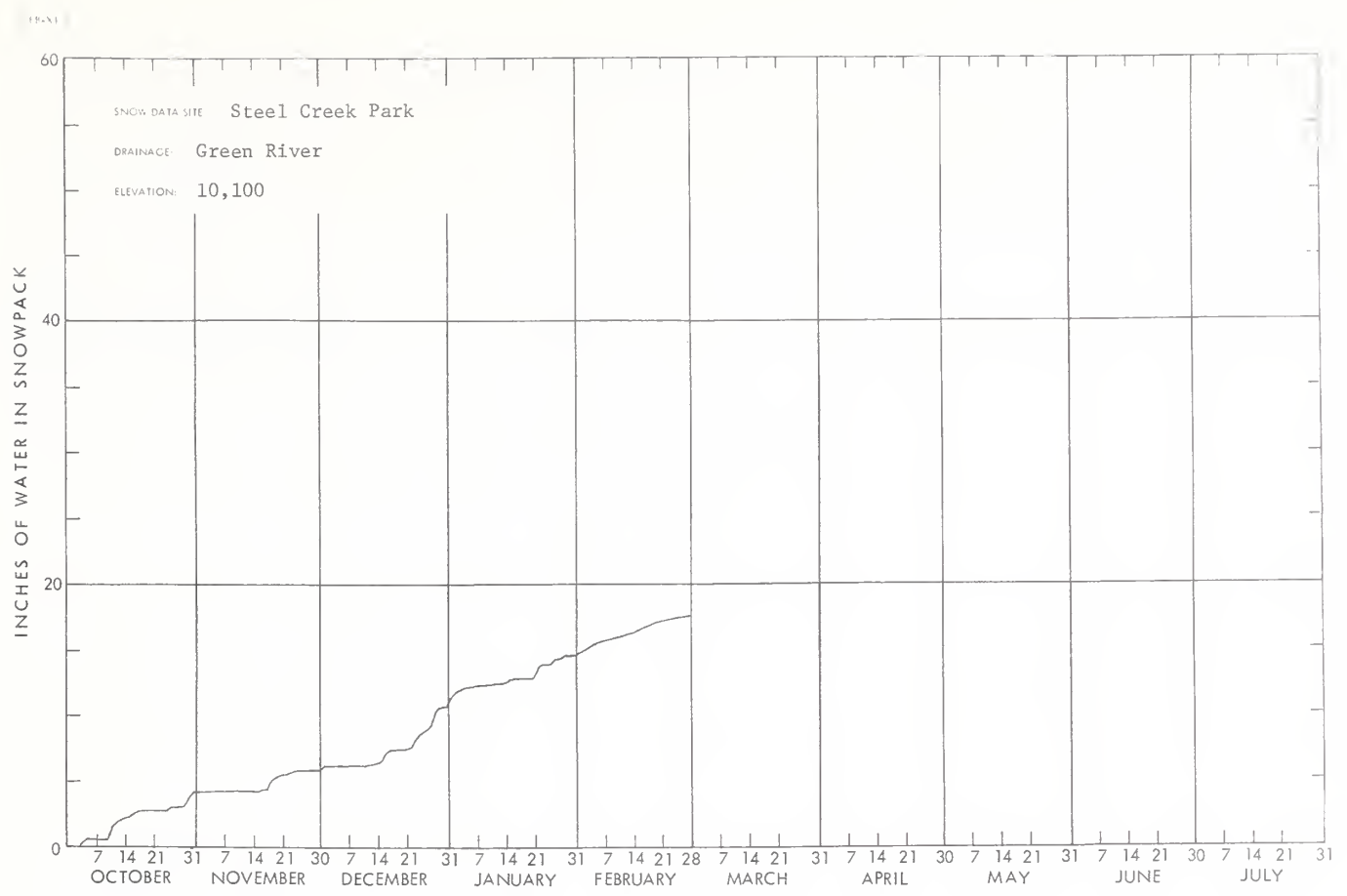
SNOW

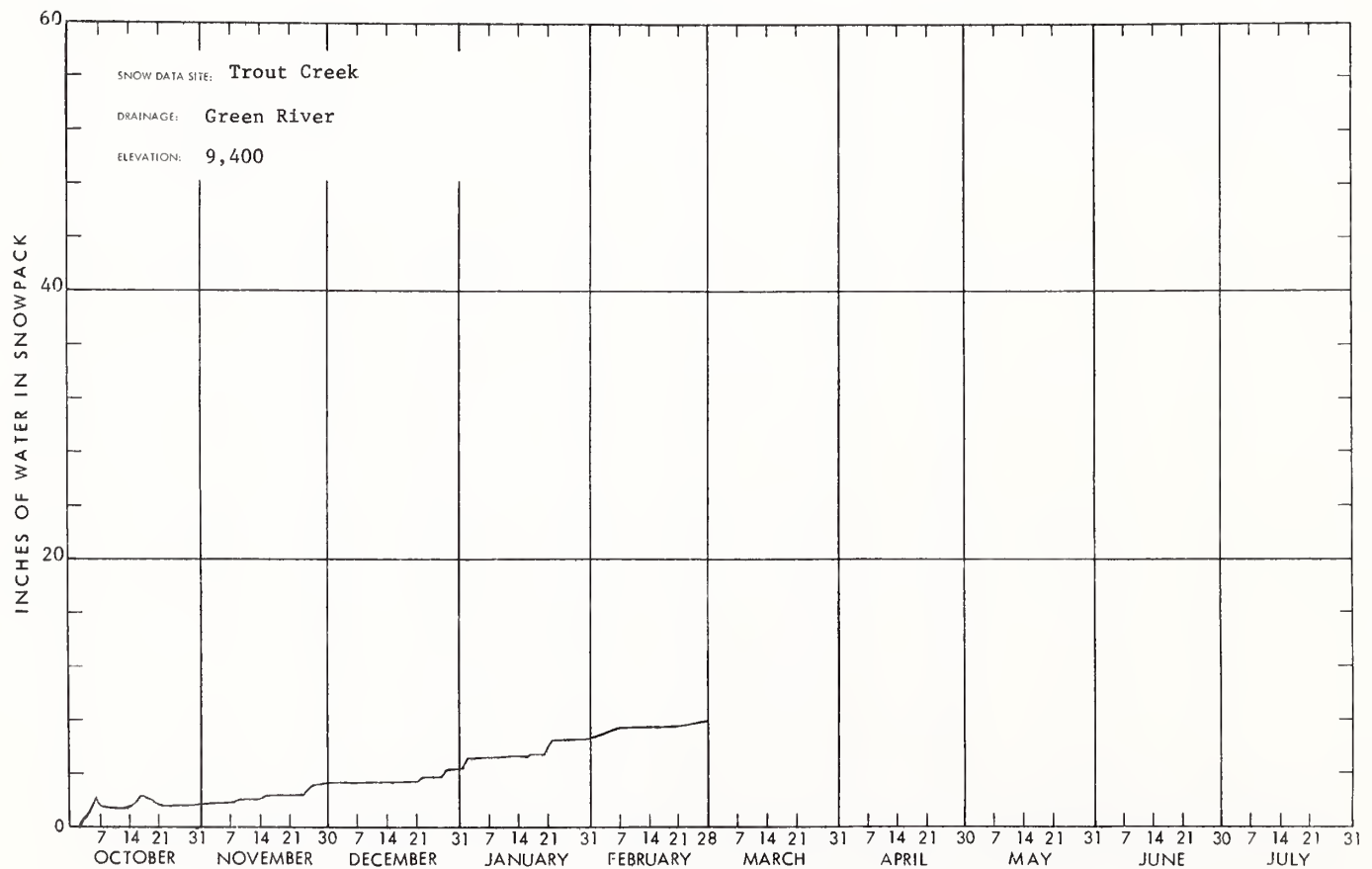
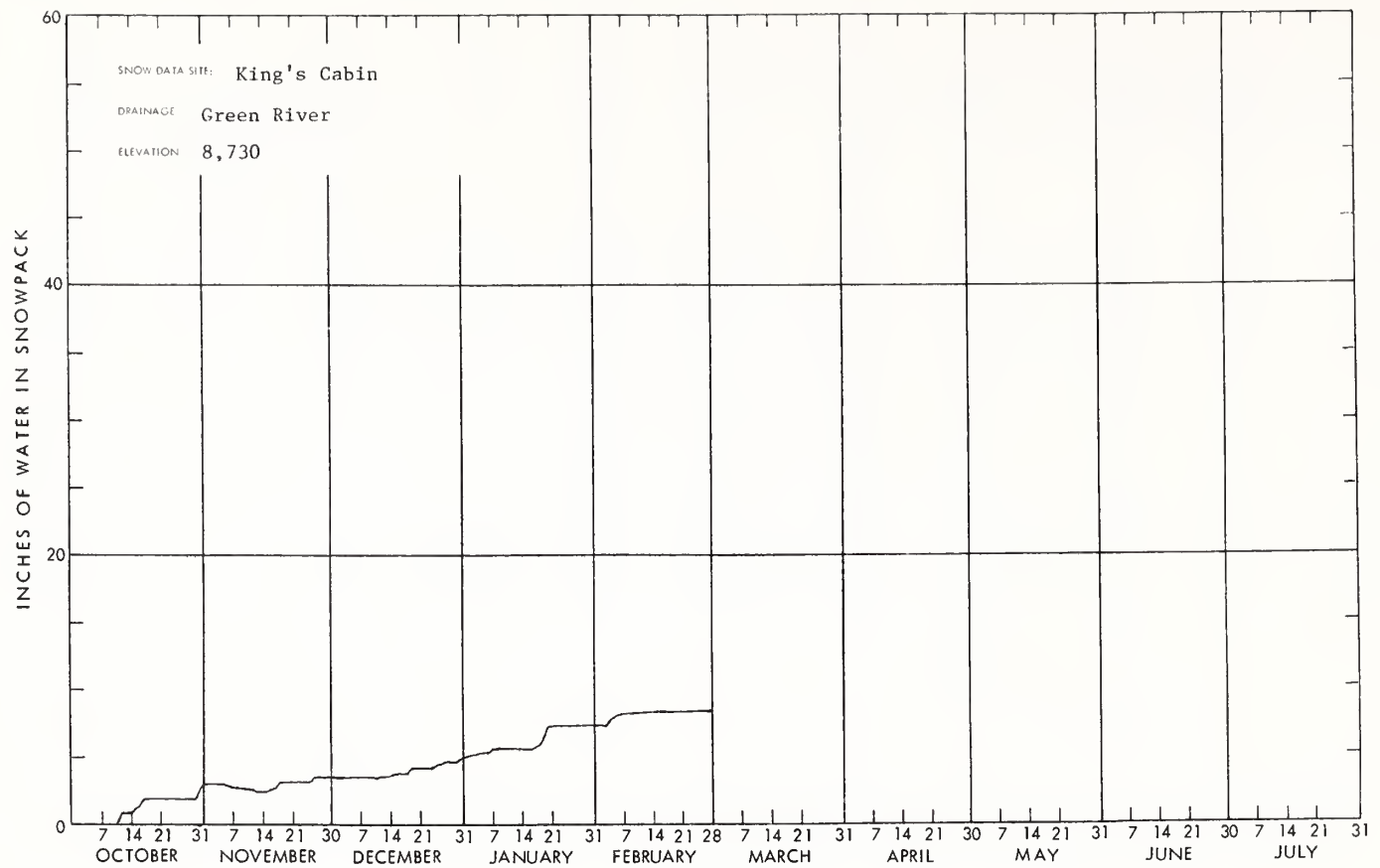
PRECIPITATION (Inches)

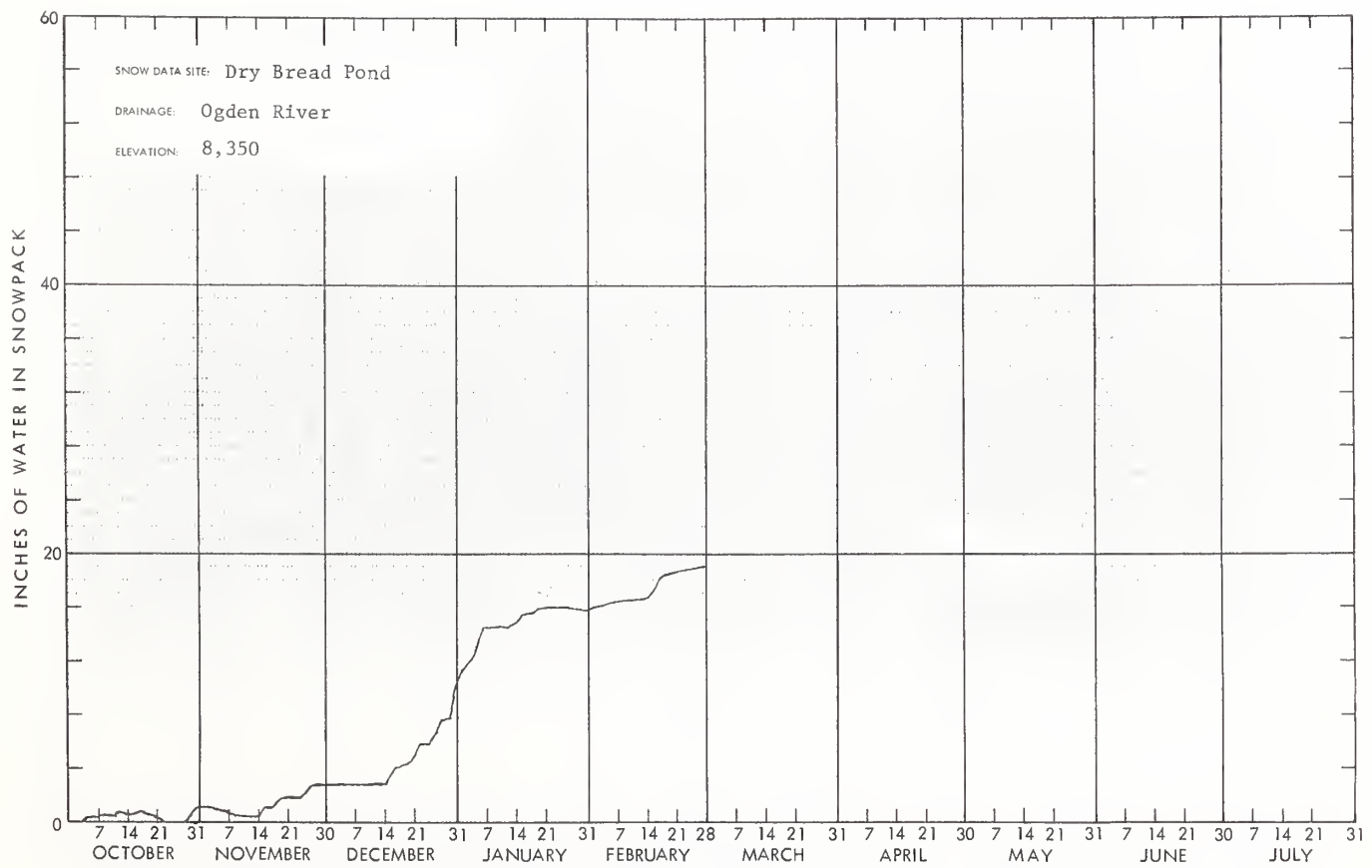
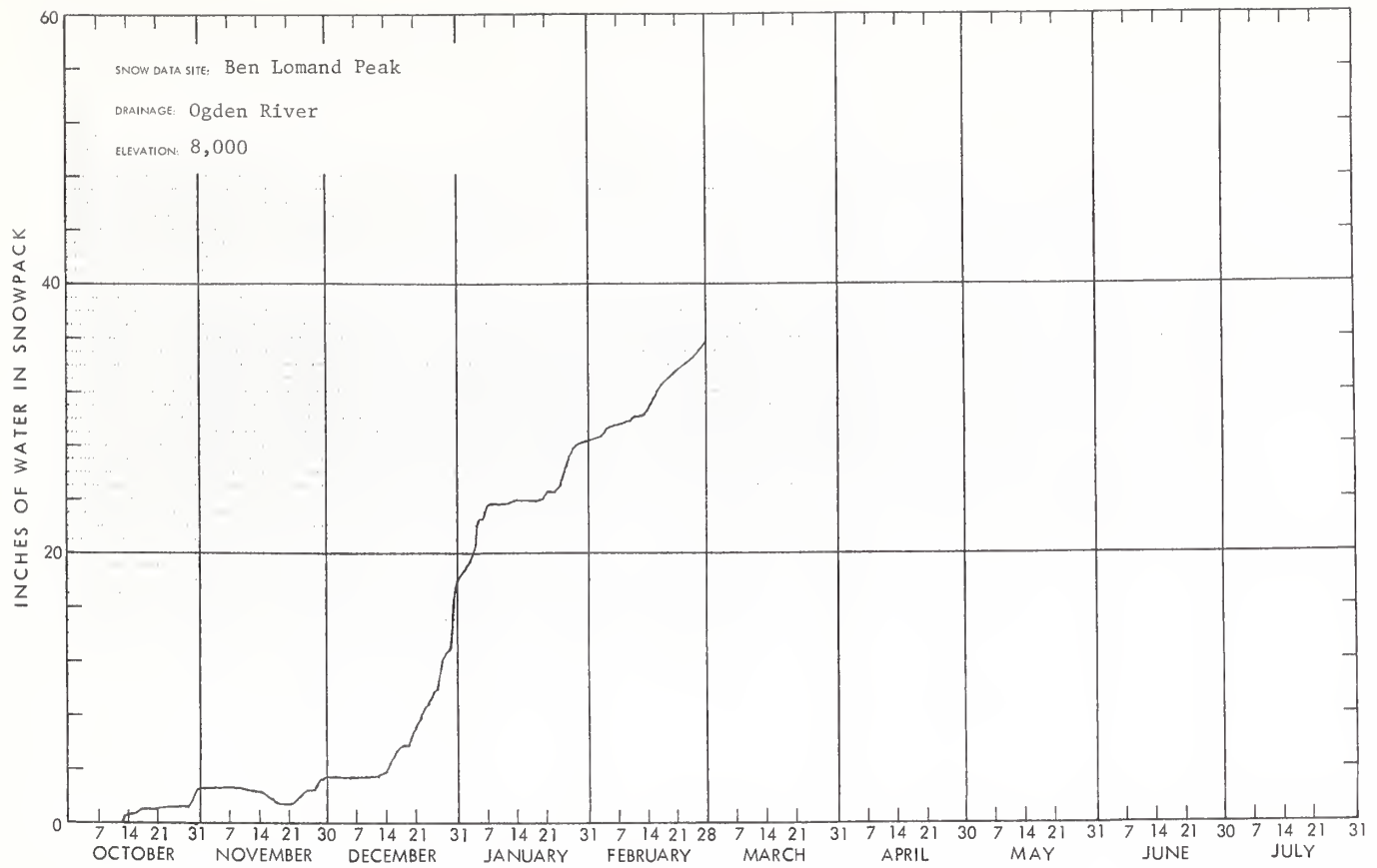
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		CURRENT INFORMATION			FROM APPROX OCT 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
				Last Year	Average +						
BEAVER RIVER											
Beaver Canyon Power House											
Beaver Race Track	2/26	0	0.0	0.0							
Big Flat	2/23	56	18.2	7.3	12.8	2/23	2.10	2.60	19.00 ^a	12.53	130
Merchant's Valley (upper)	2/23	37	9.6	4.1	9.6 ^b	2/23	1.82	2.11 ^b	13.56	11.29	120
Otter Lake	2/23	54	16.4	4.7	9.9						
PAROWAN CREEK											
Birch Crossing	2/25	18	5.6	1.0	6.0 ^b						
Brian Head	2/23	52	16.2	6.0	16.3 ^b						
Tall Poles	2/25	35	10.5	4.0	11.5 ^b	2/25	1.45	2.39 ^b	12.50	11.87 ^b	105
Yankee Reservoir	2/23	26	6.9	2.3	7.4	2/23	2.34		13.65	9.40 ^b	145
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	2/24	4	1.1	0.0	3.6	2/24	0.80		7.32	12.33 ^b	59
Long Flat	2/24	14	3.7	0.0	5.6	2/24	1.89		7.59 ^a	9.23	82
COAL CREEK											
Cedar City Golf Course	2/25	0	0.0	0.5							
SUSC Ranch	2/25	19	6.3	1.0	7.56						
ESCALANTE RIVER											
Widtsoe-Escalante #3	2/24	37	10.1	4.8	8.3	2/24	1.46	2.08	12.21	9.67	126
VIRGIN RIVER											
Kolob-Crystal	2/24	40	11.6	4.3	17.3 ^a	2/24	2.60 ^a		15.10 ^a		
Long Valley Junction	2/24	10	2.8	0.0	4.0						
Webster Flat	2/24	36	11.6	4.3	13.9	2/24	2.50 ^a	3.53	16.38 ^a	15.15	108
a - Partly Estimated b - Average of past record in average period - less than 15 years + - 1963-77 15 year average period (A) - Aerial Marker Reading											

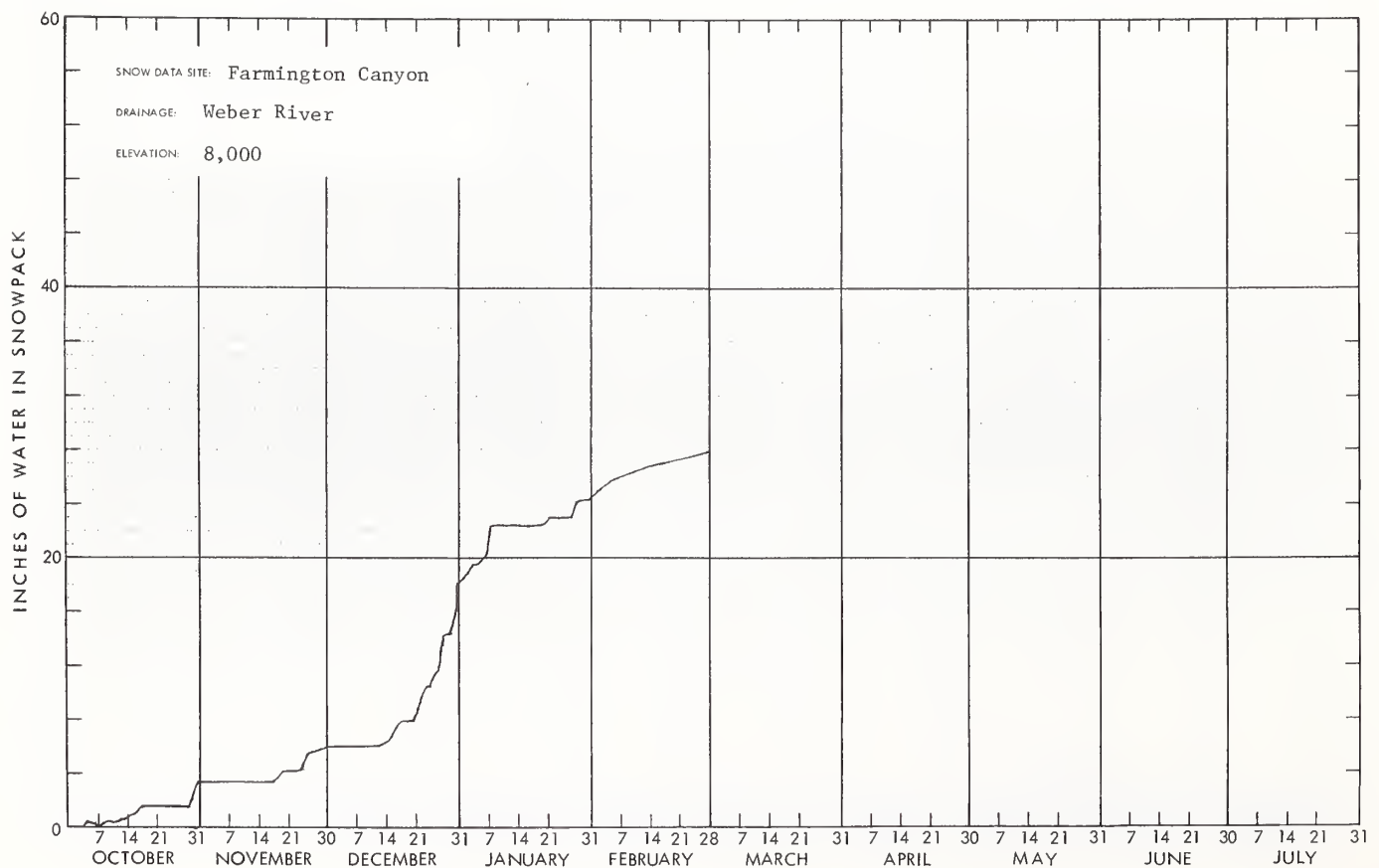
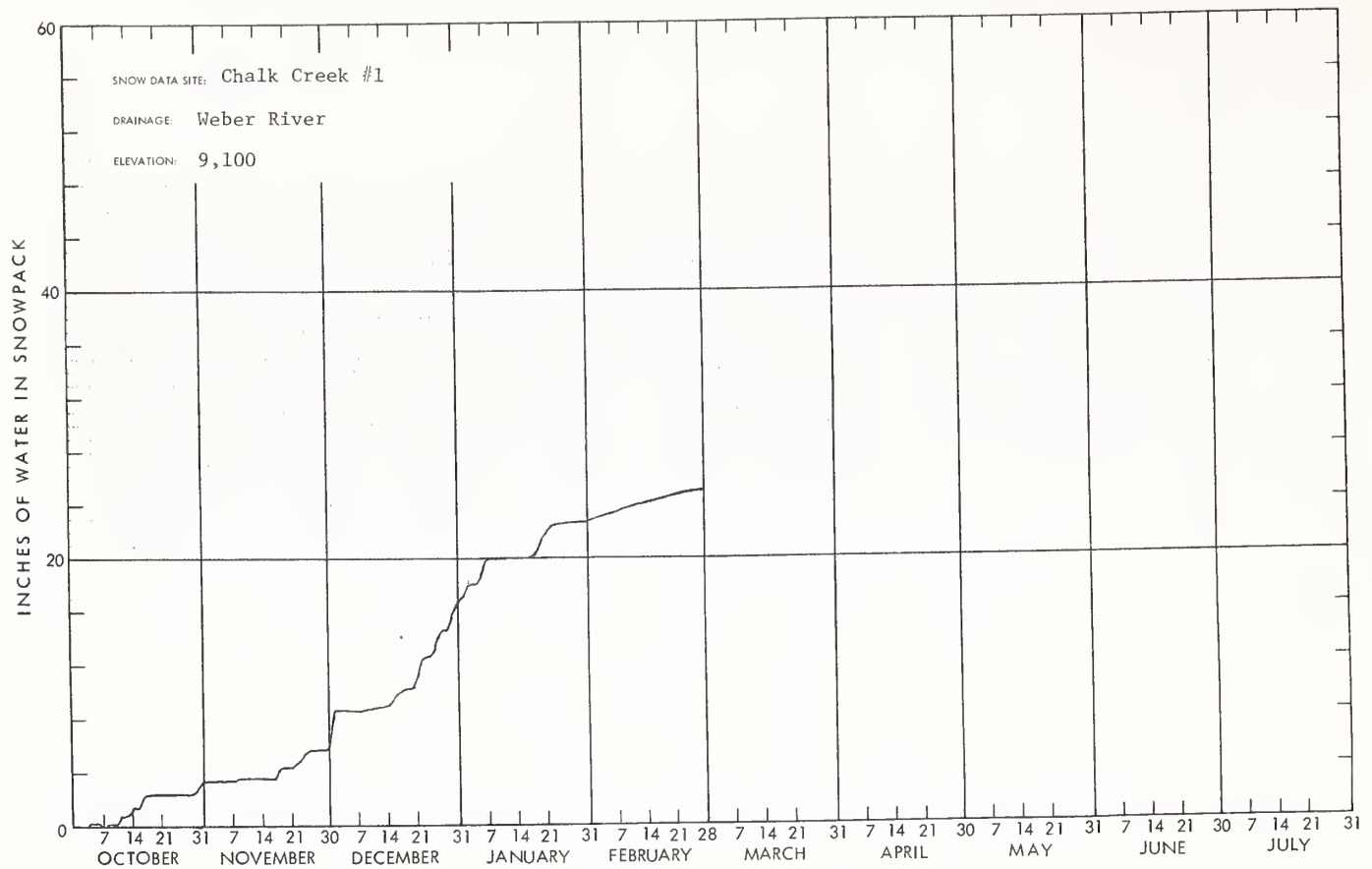


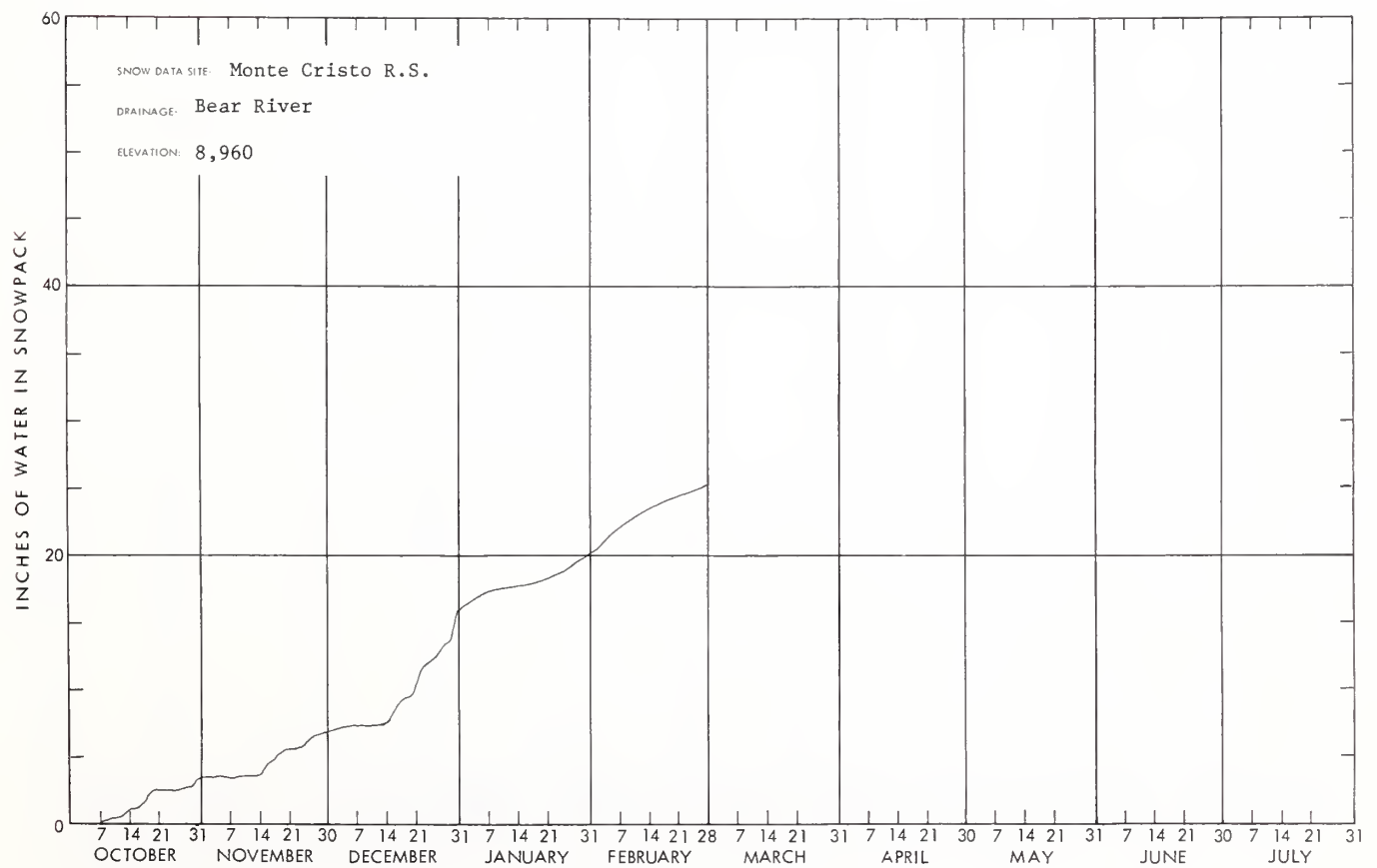
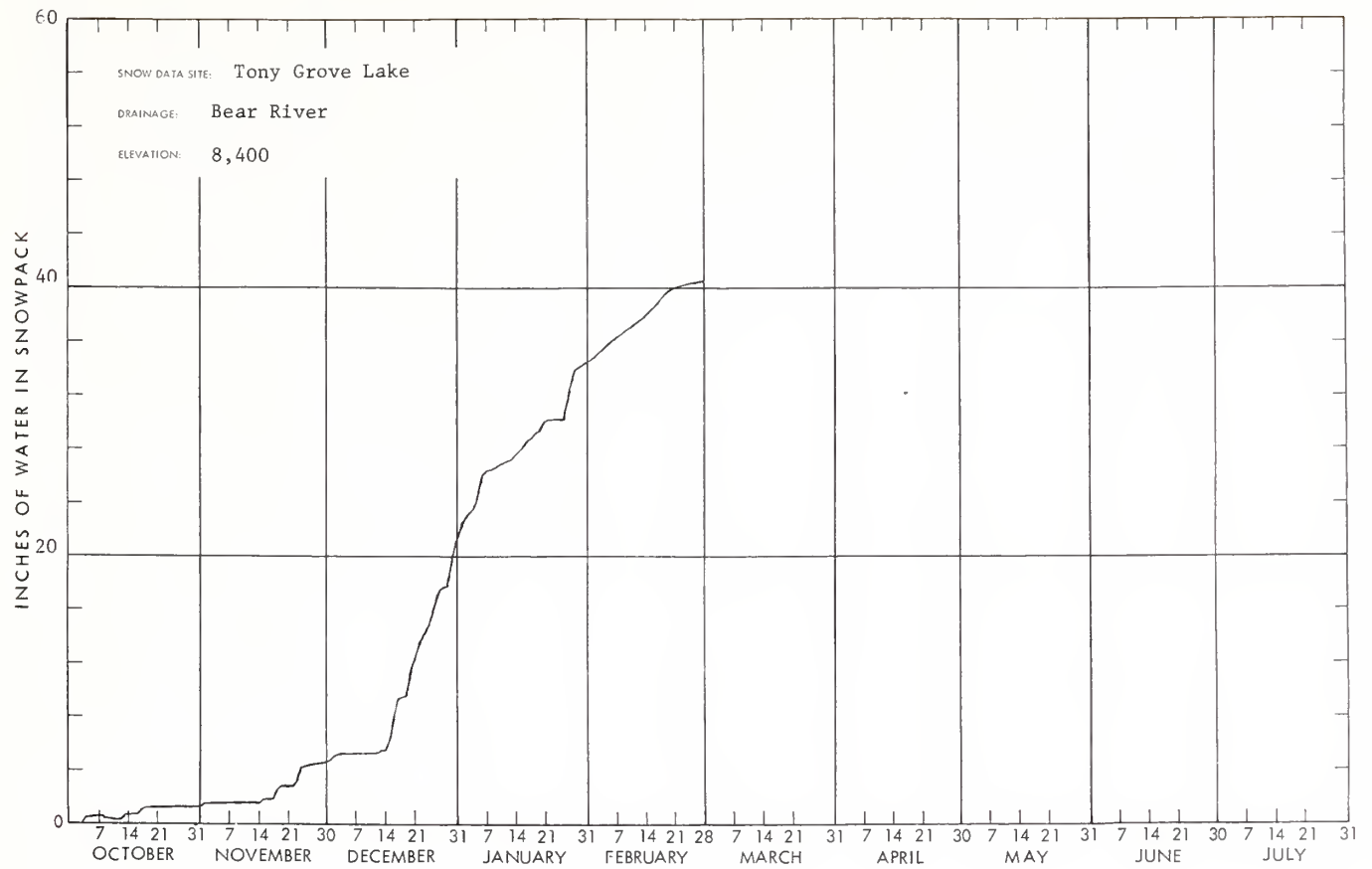


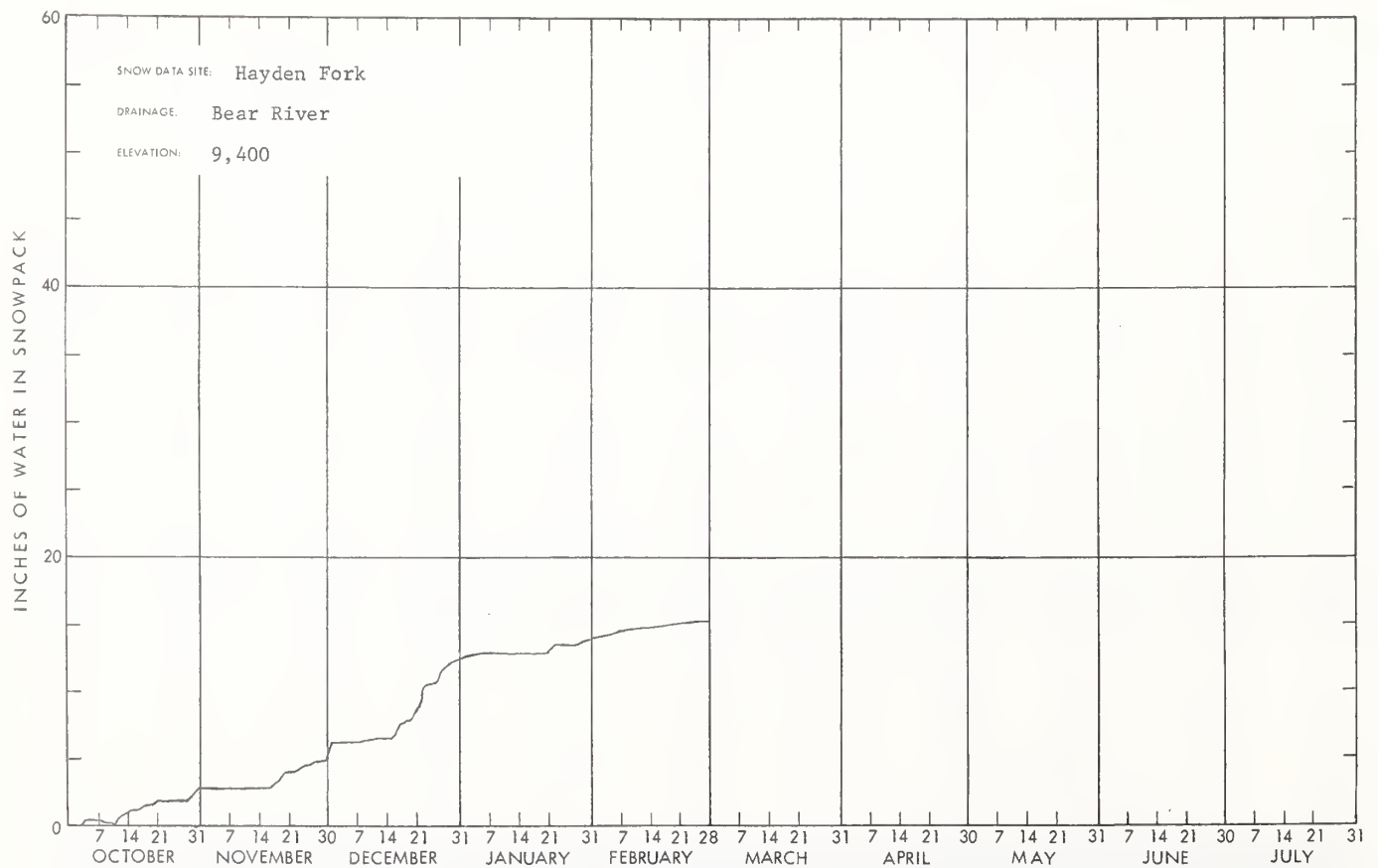
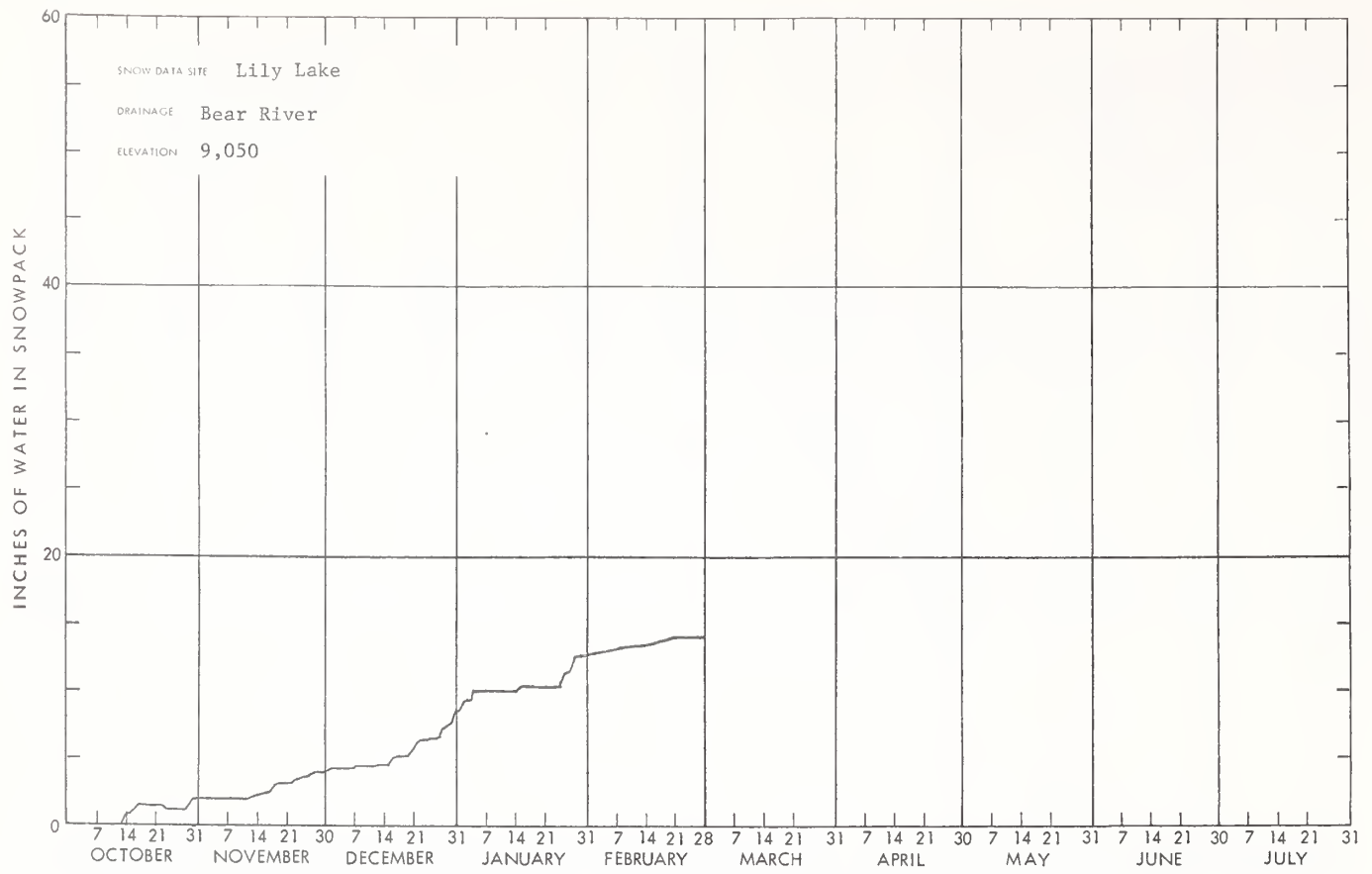


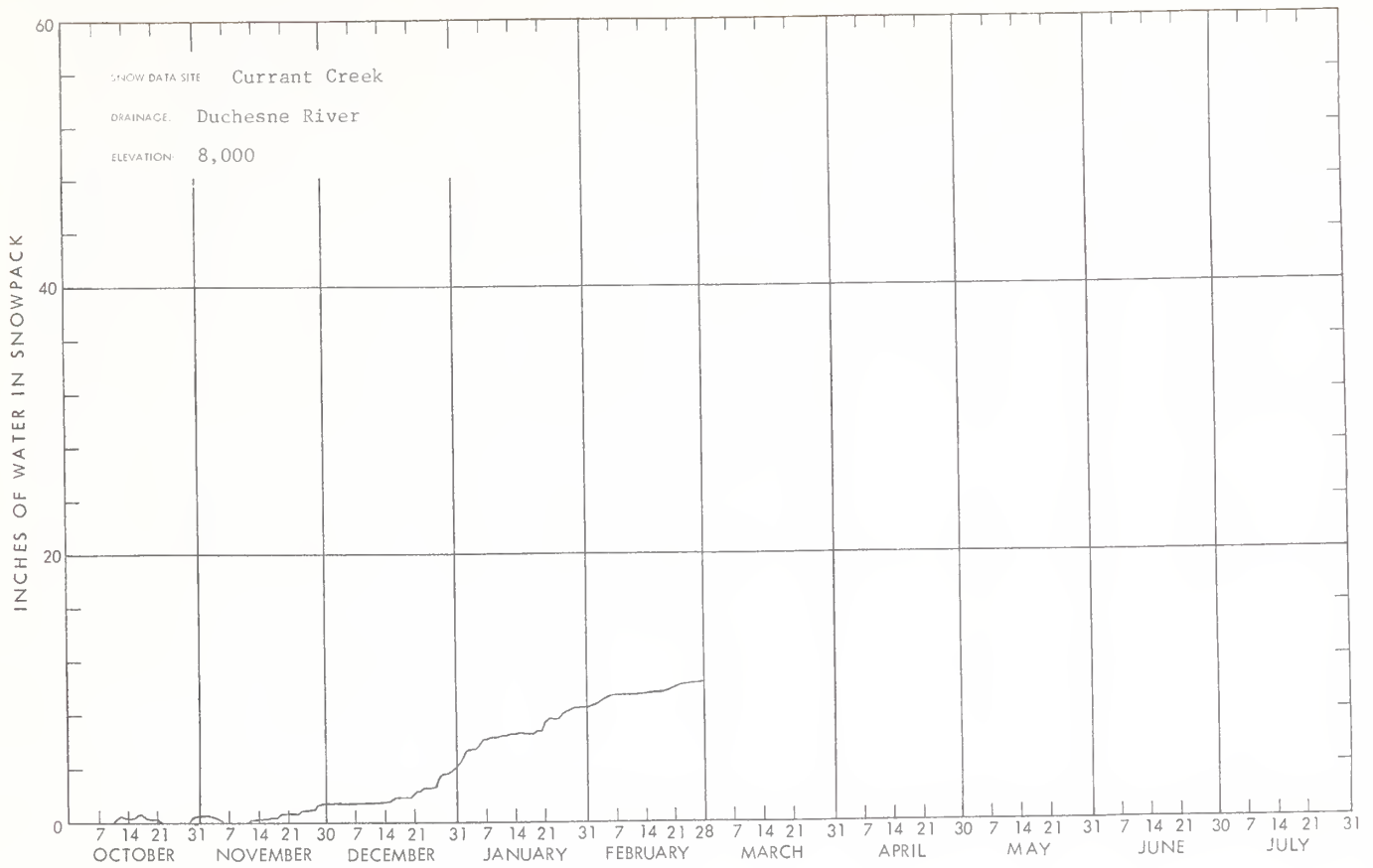




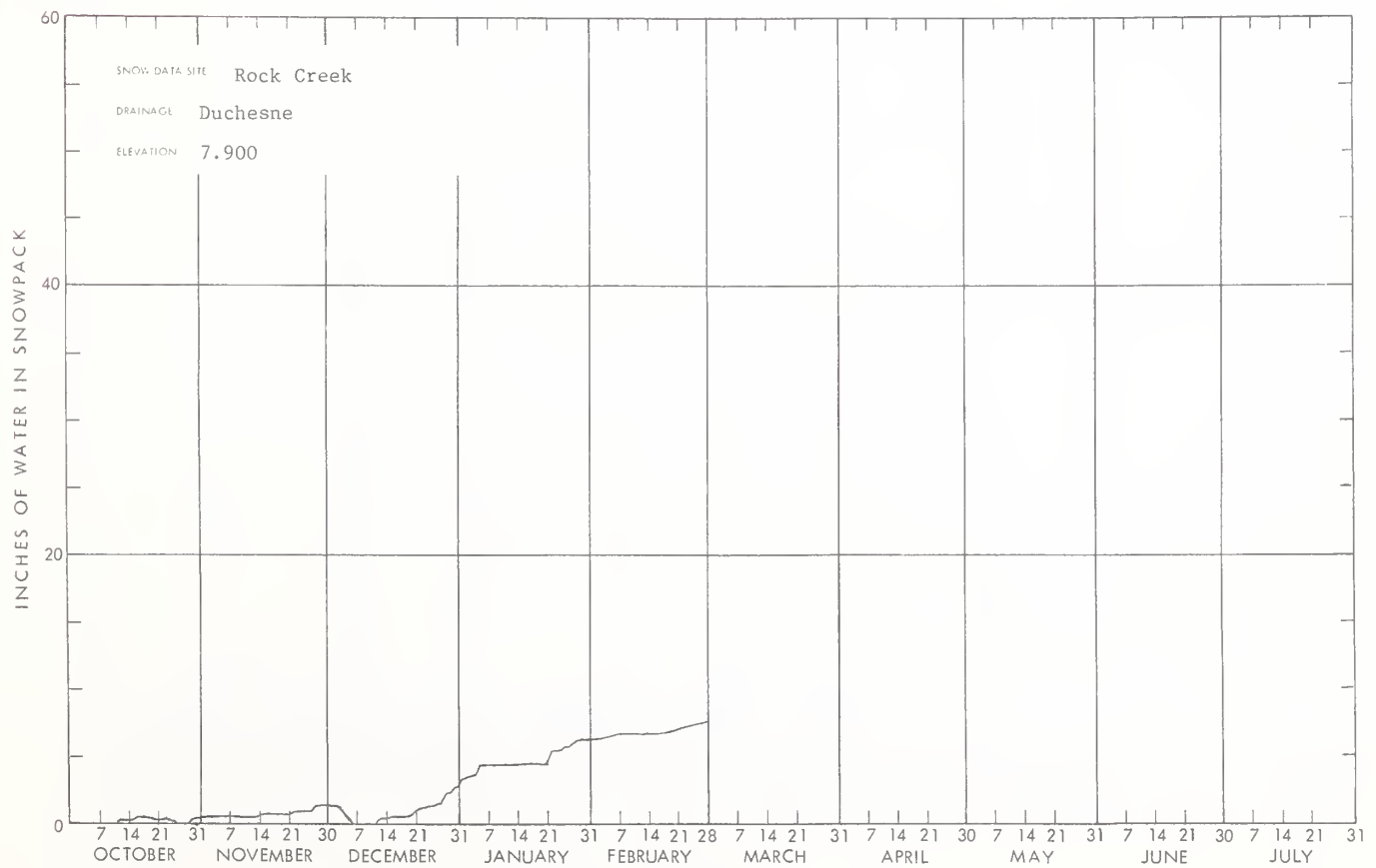


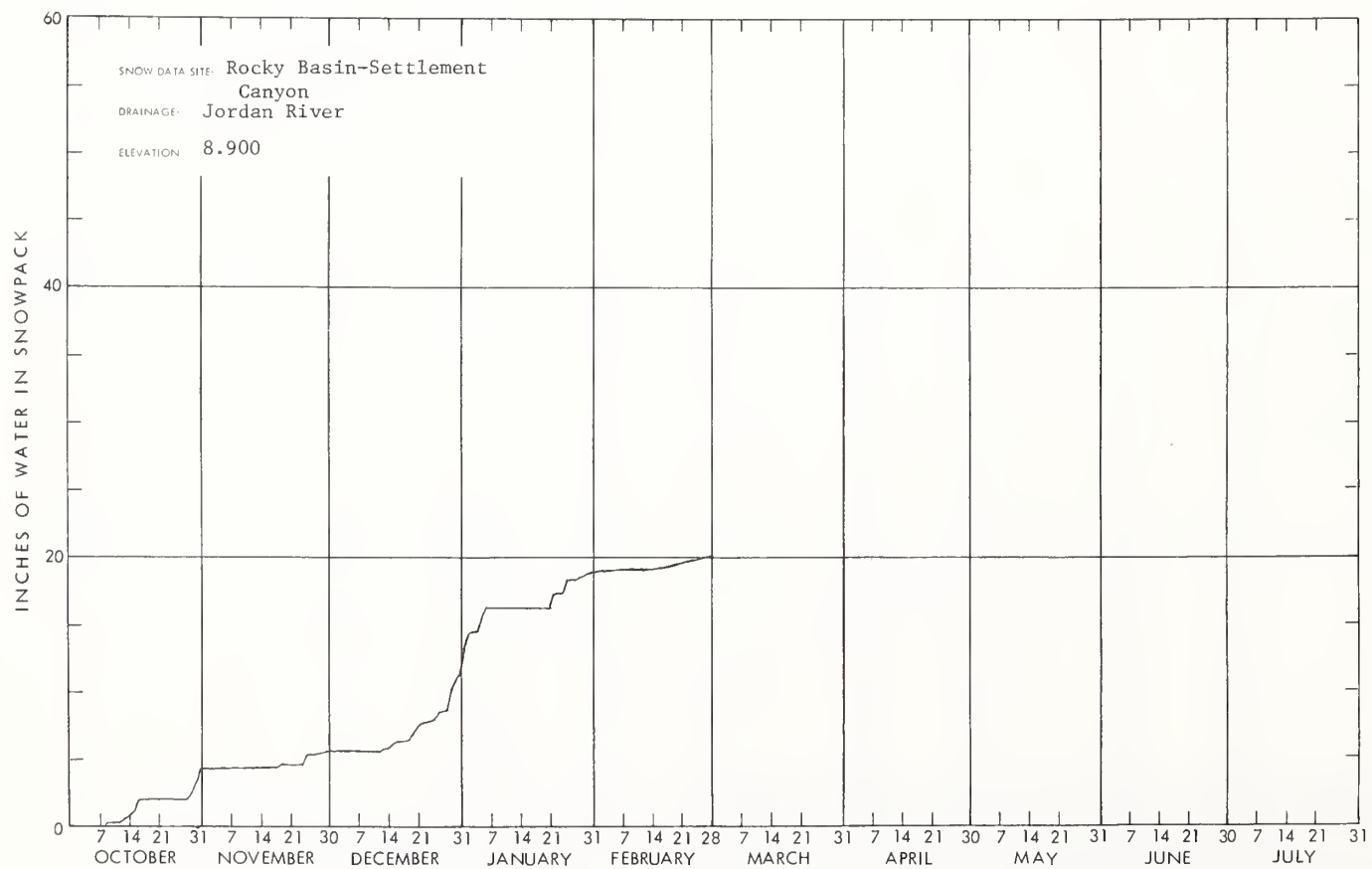
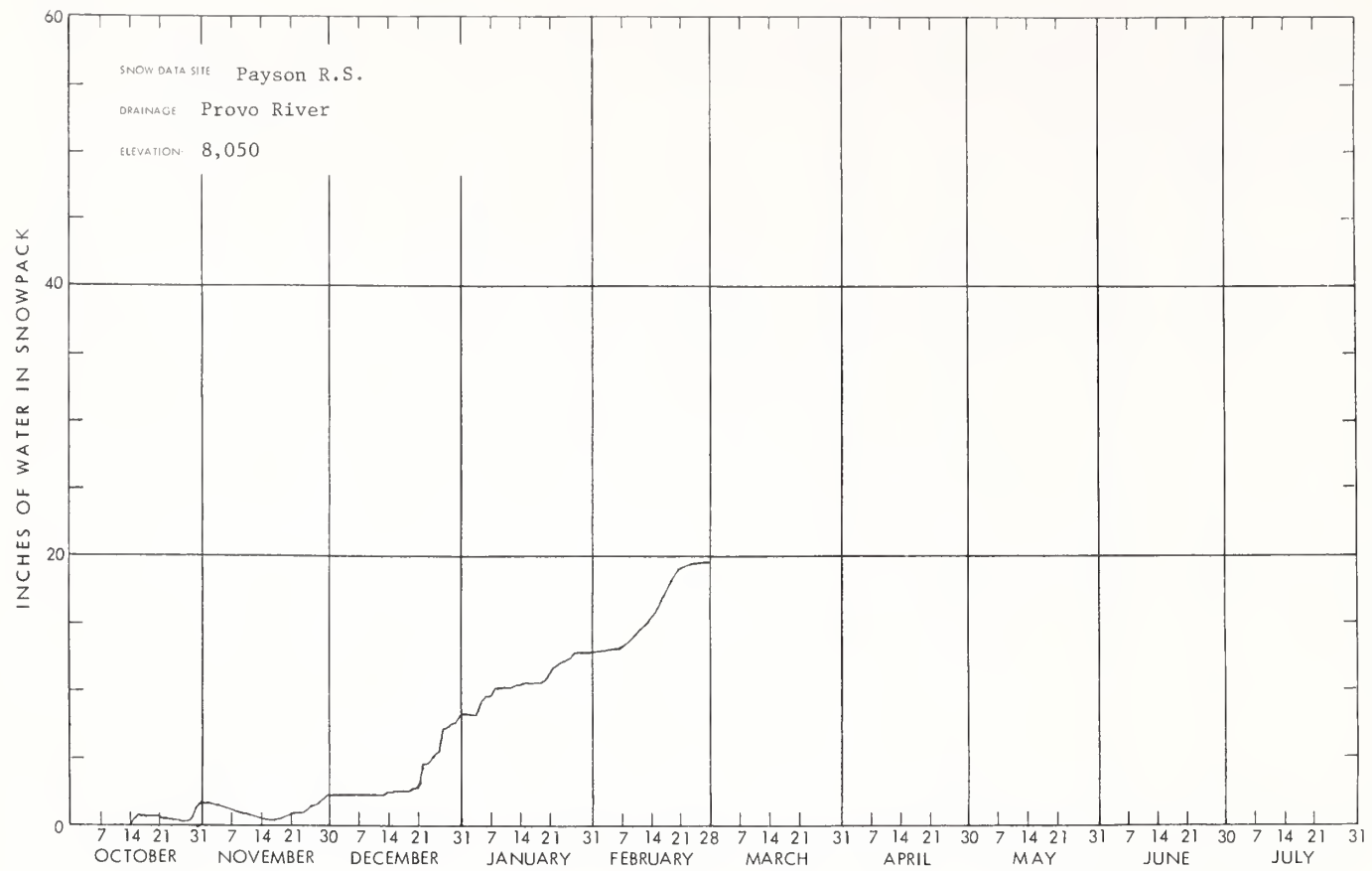


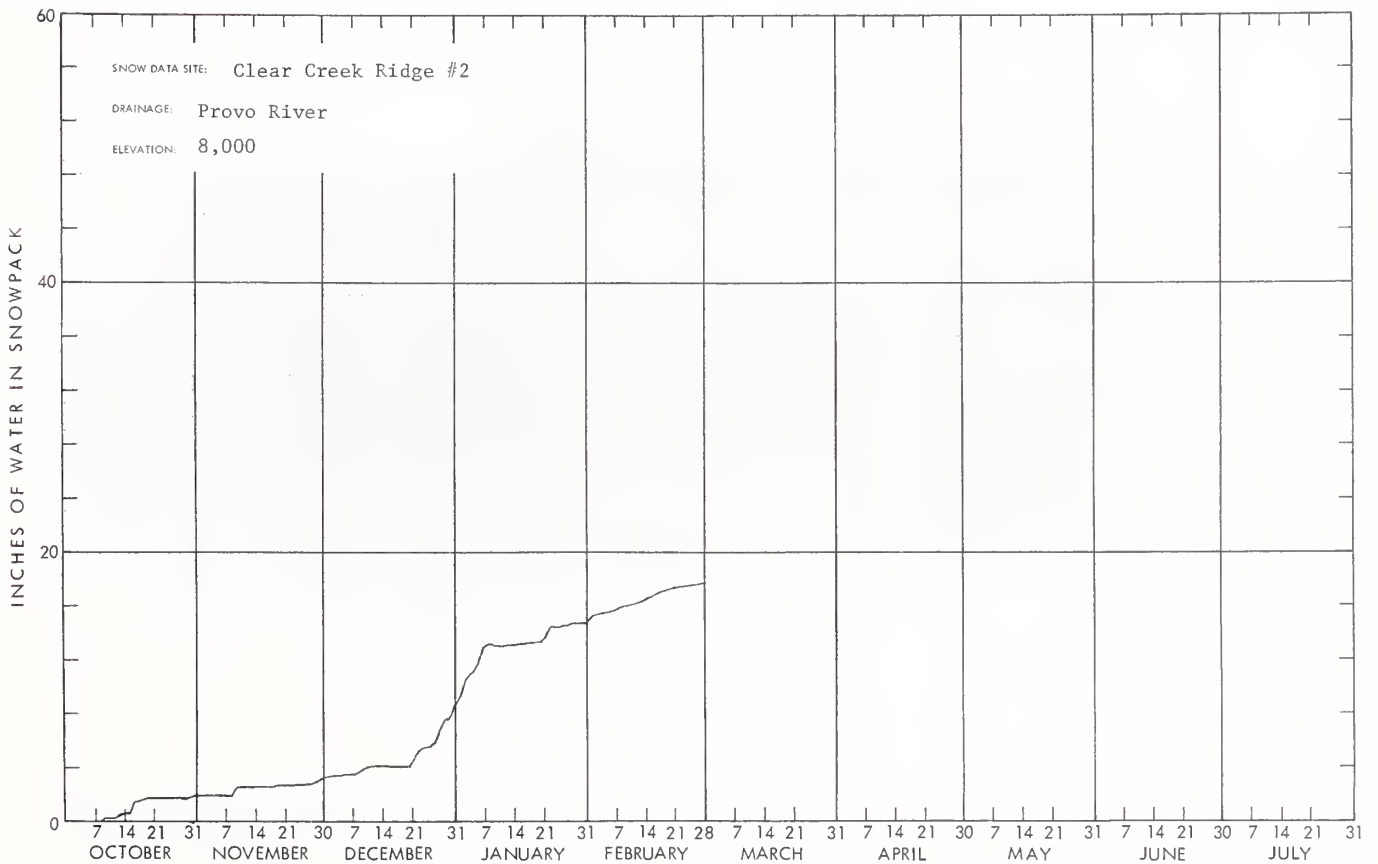
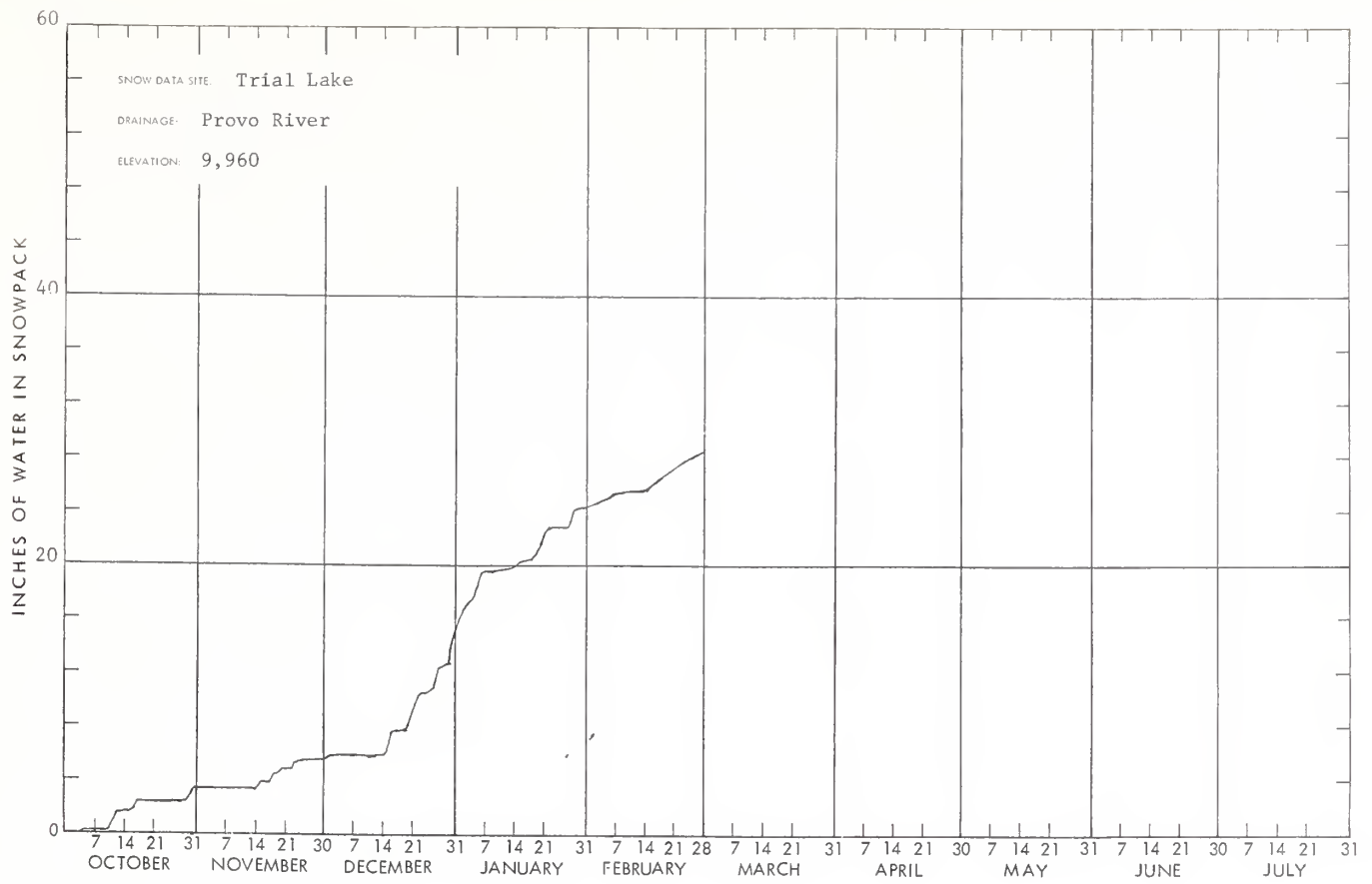


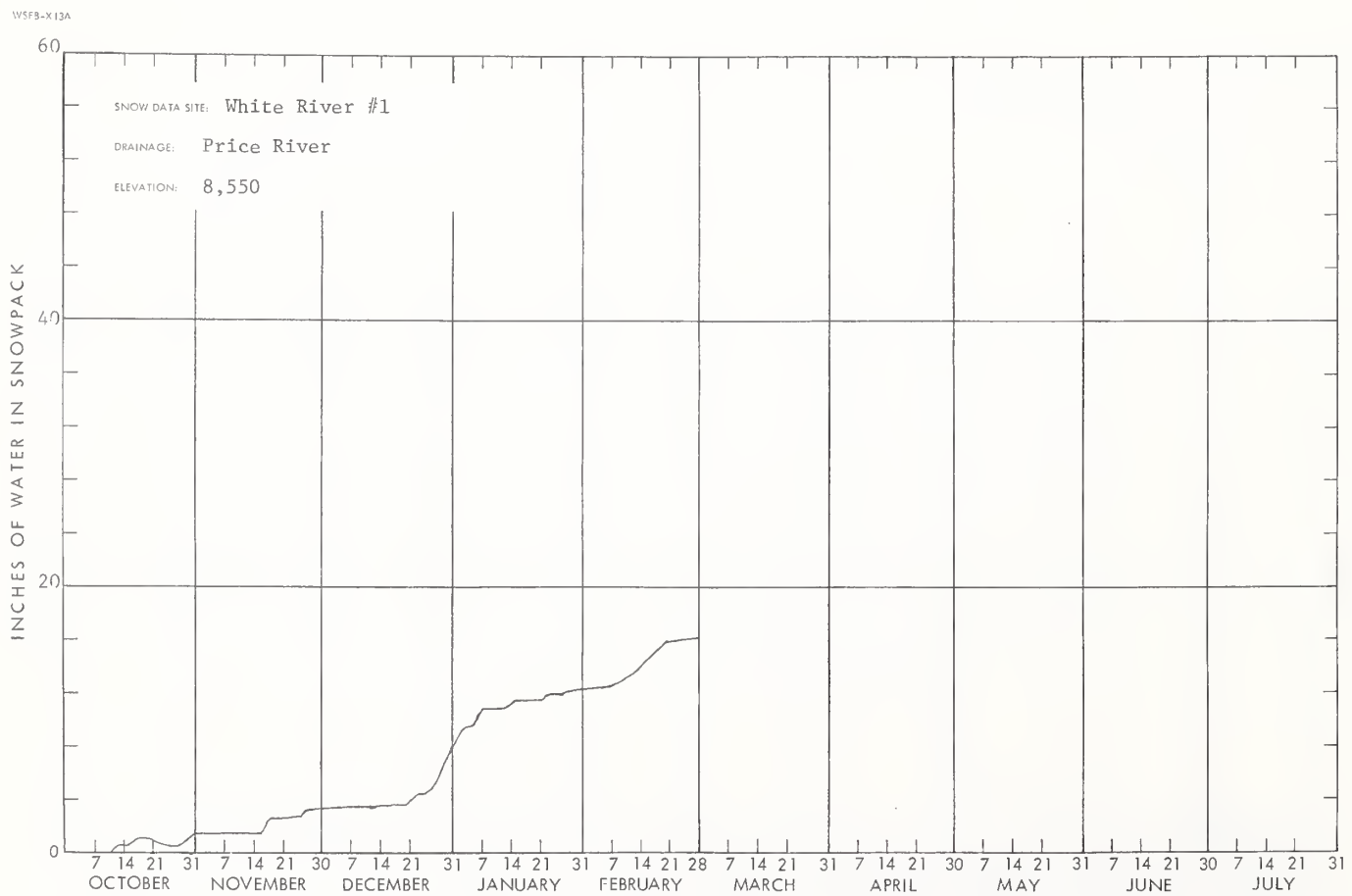
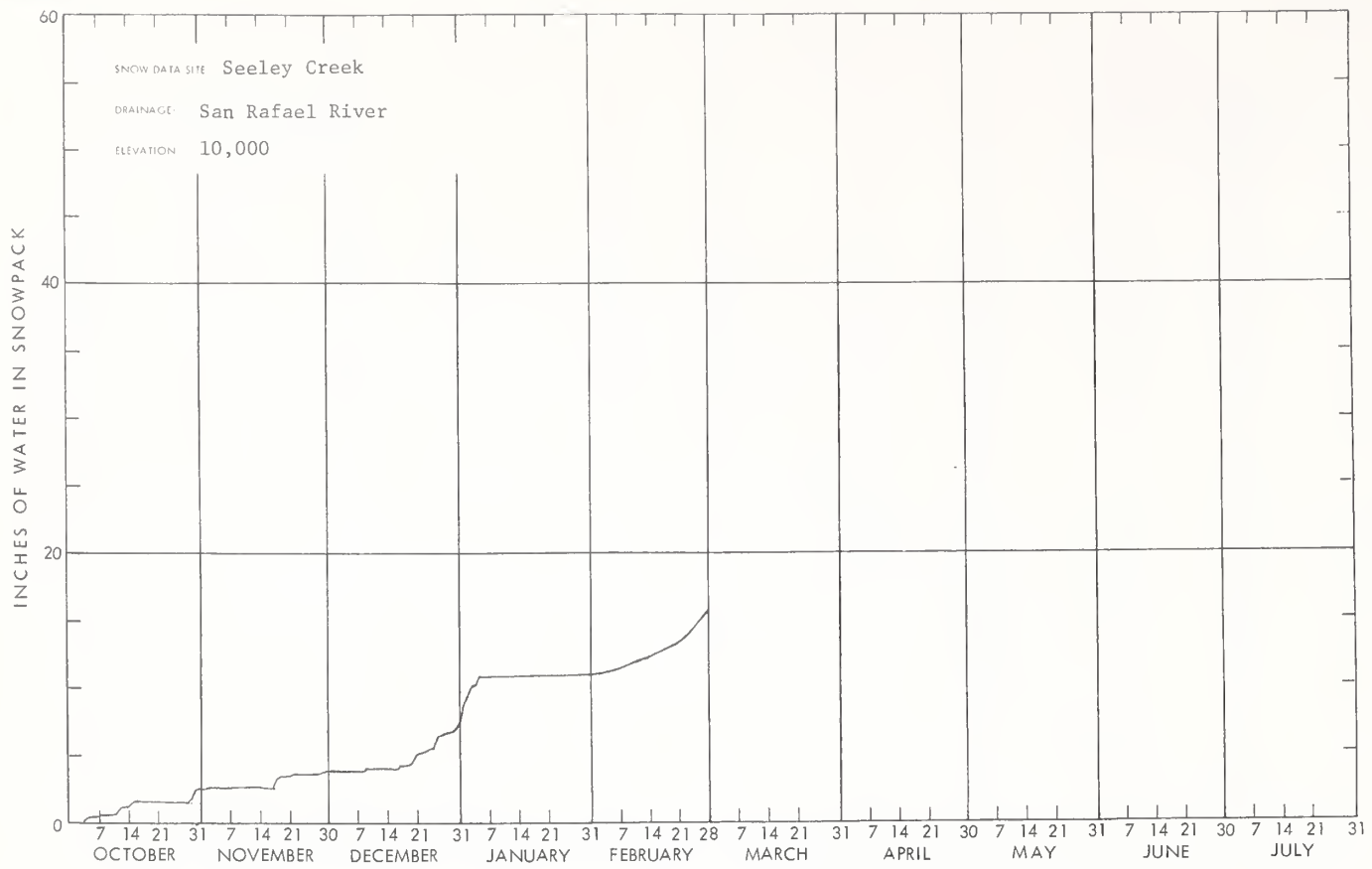


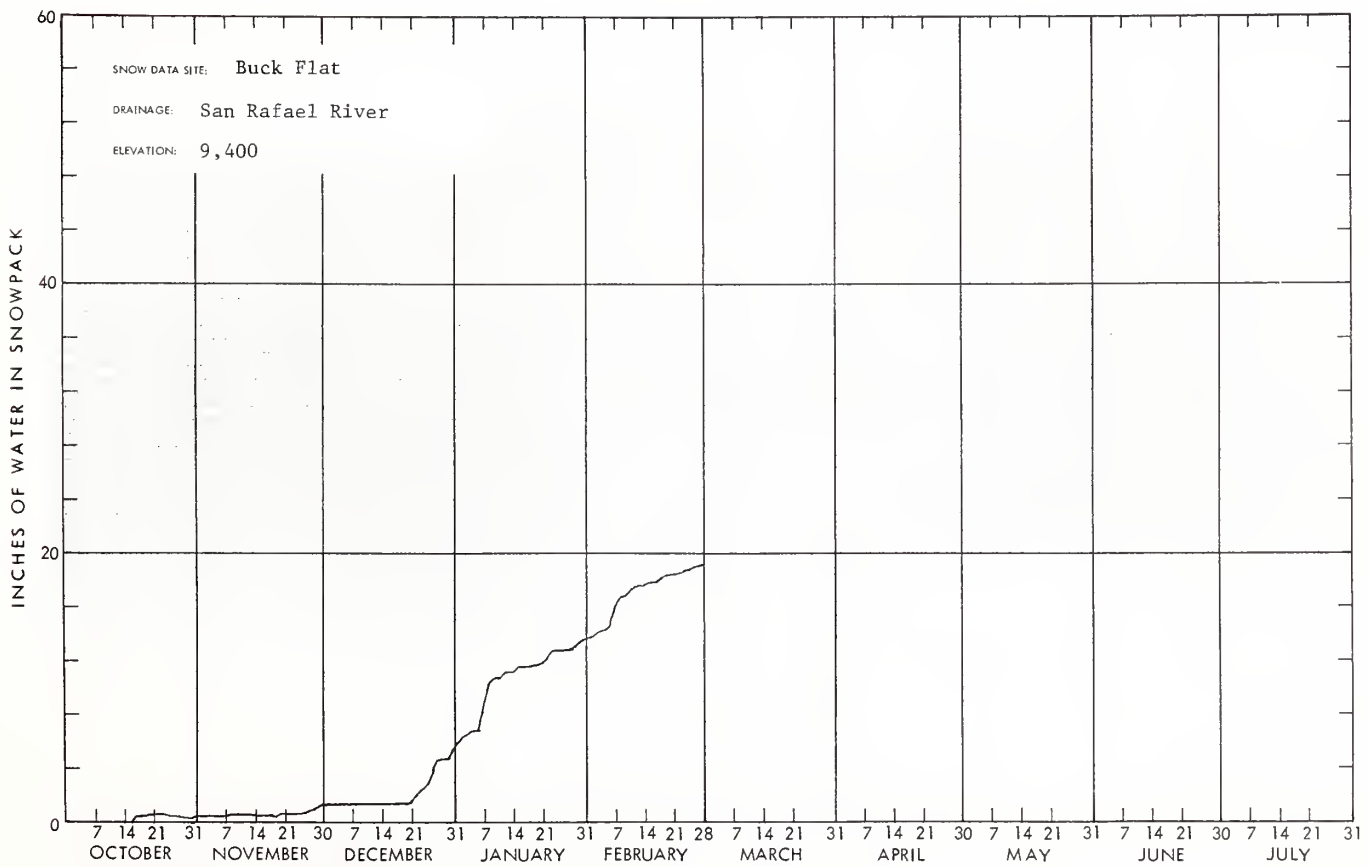
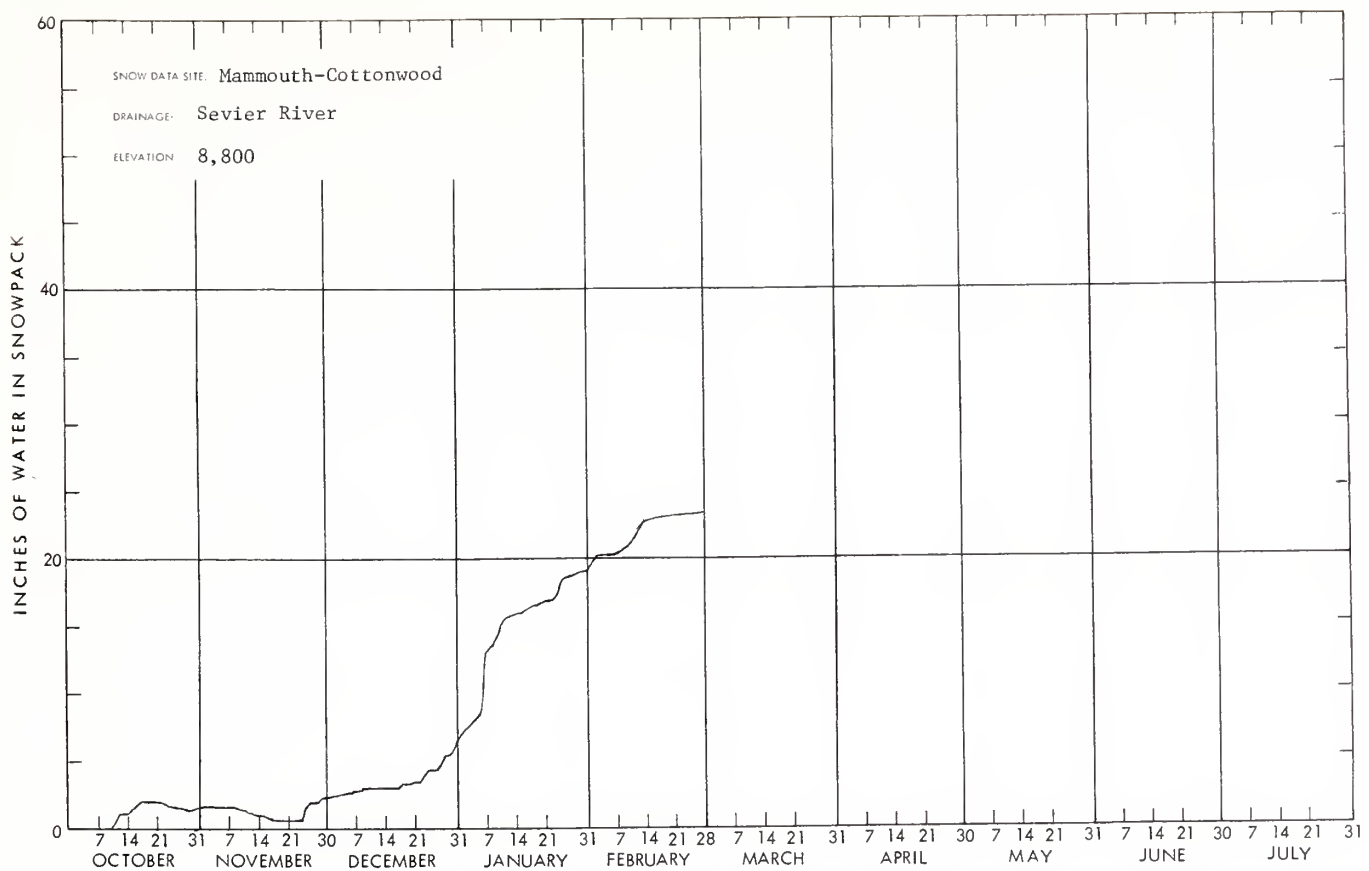
x



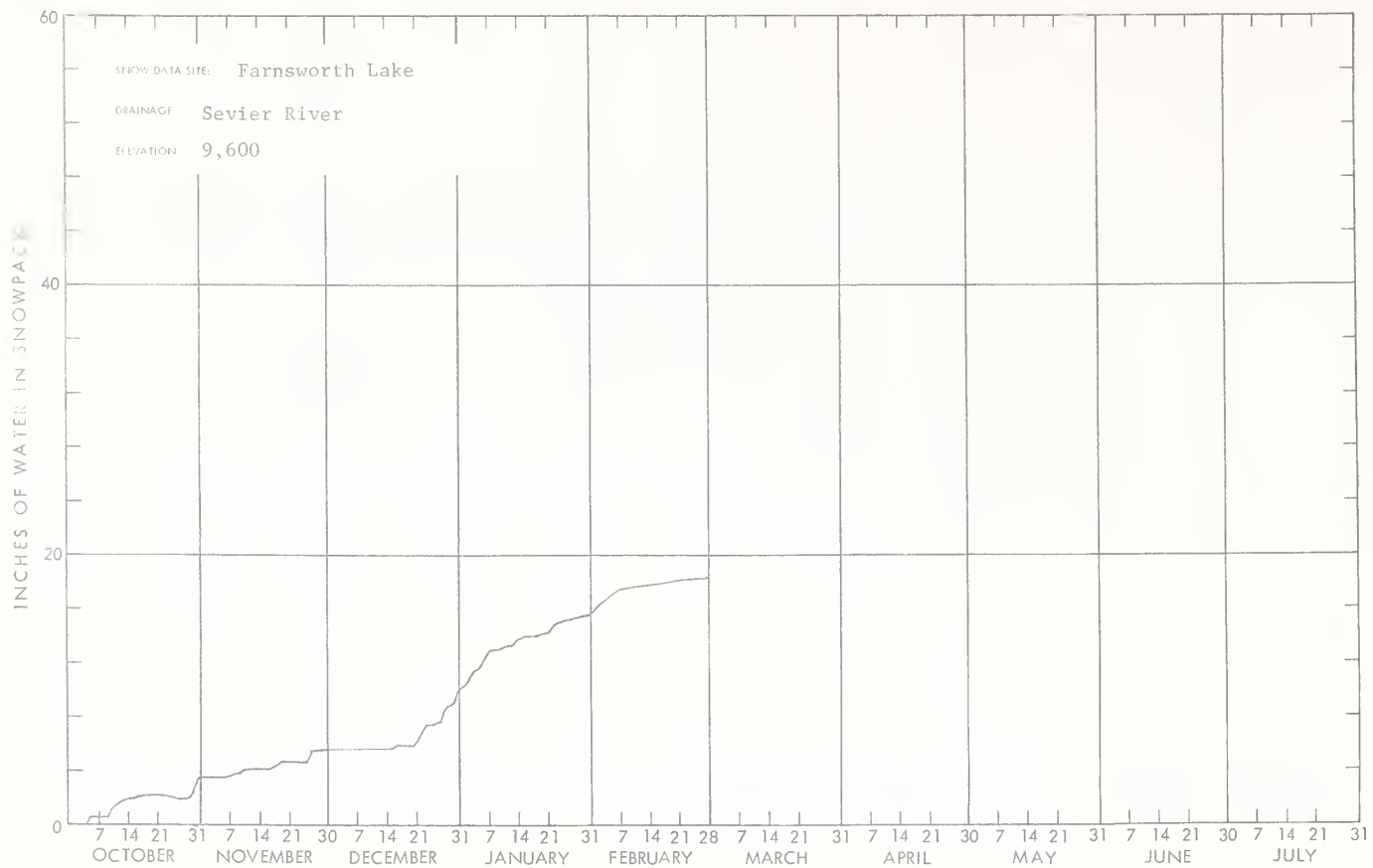




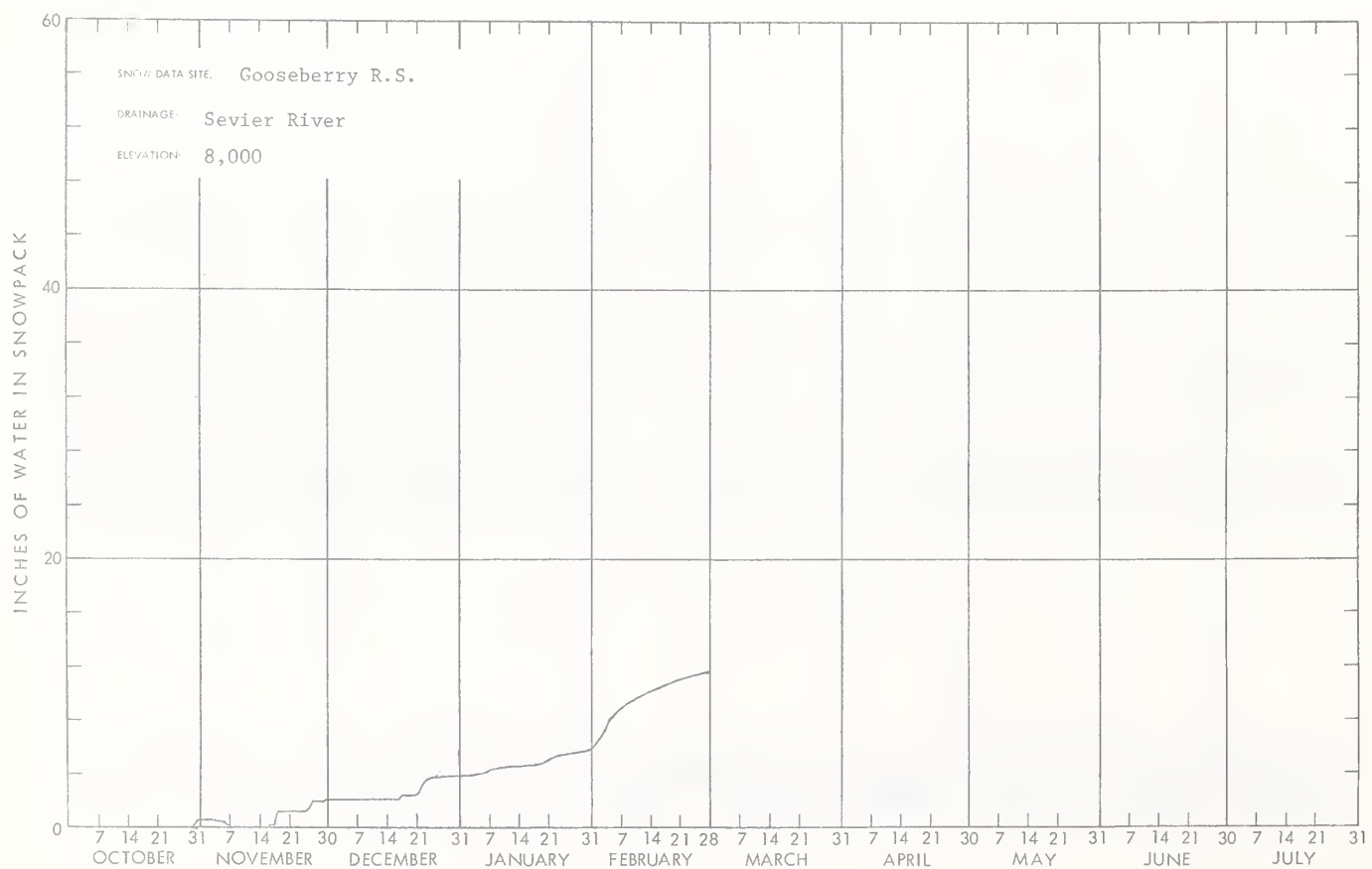


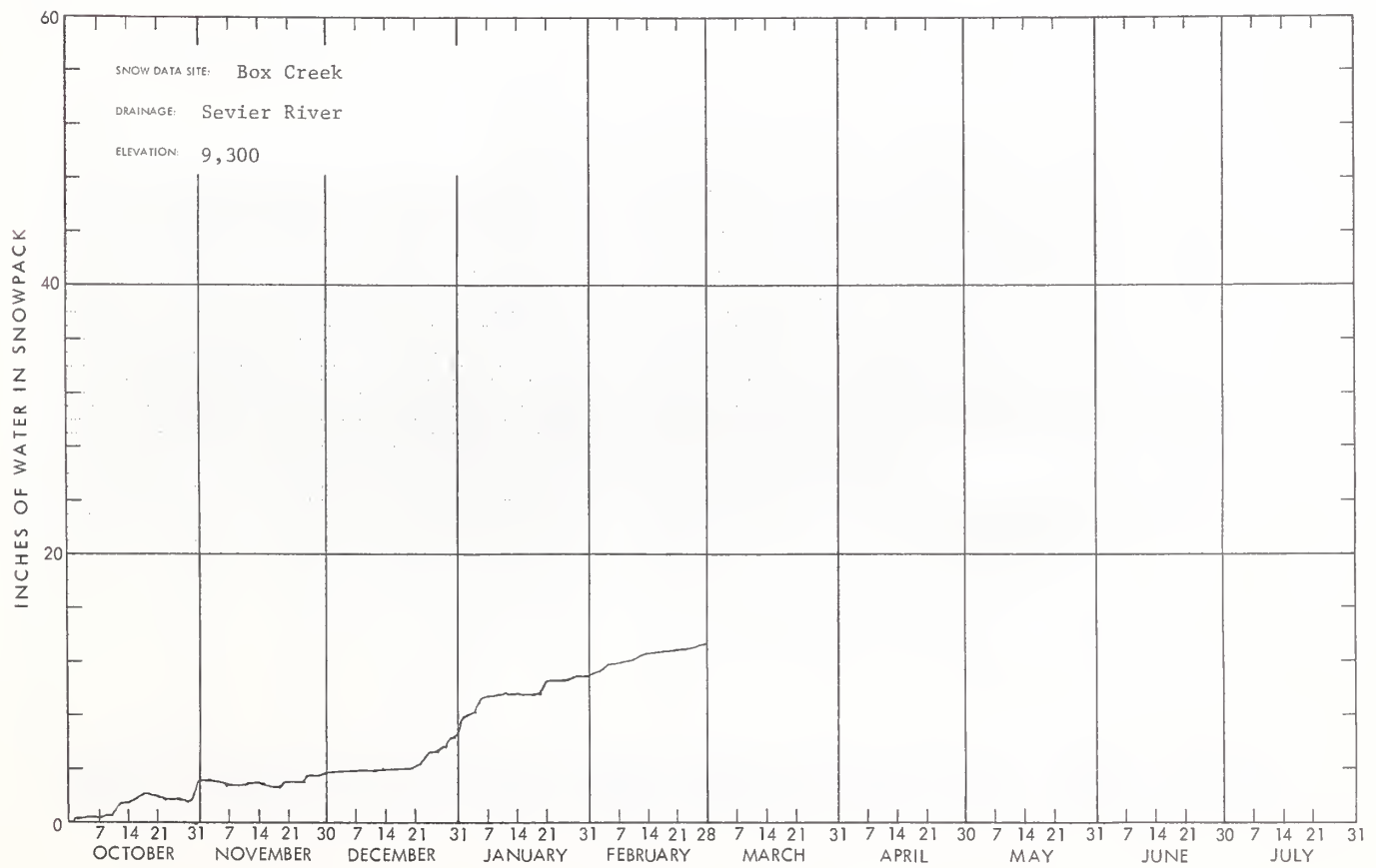
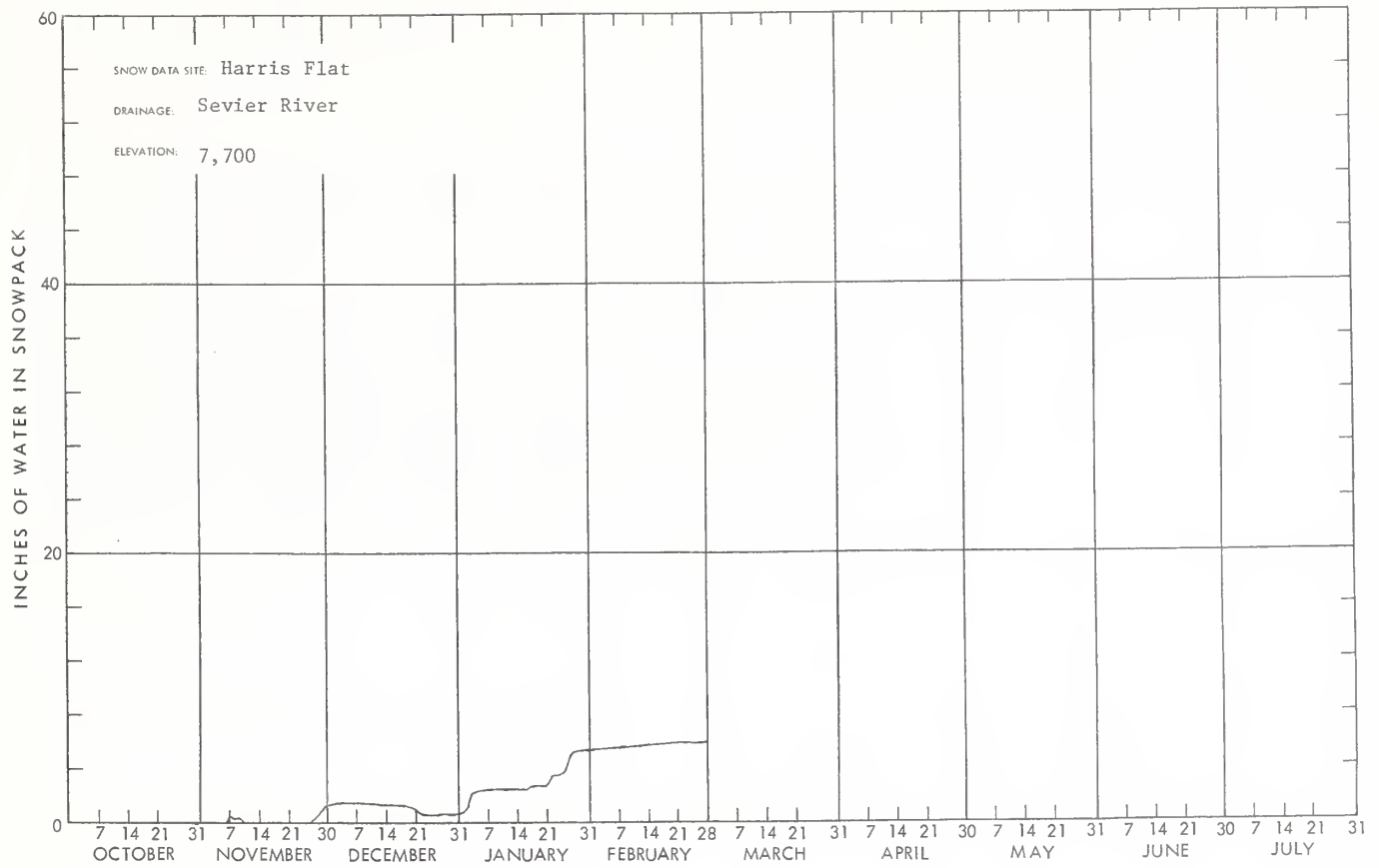


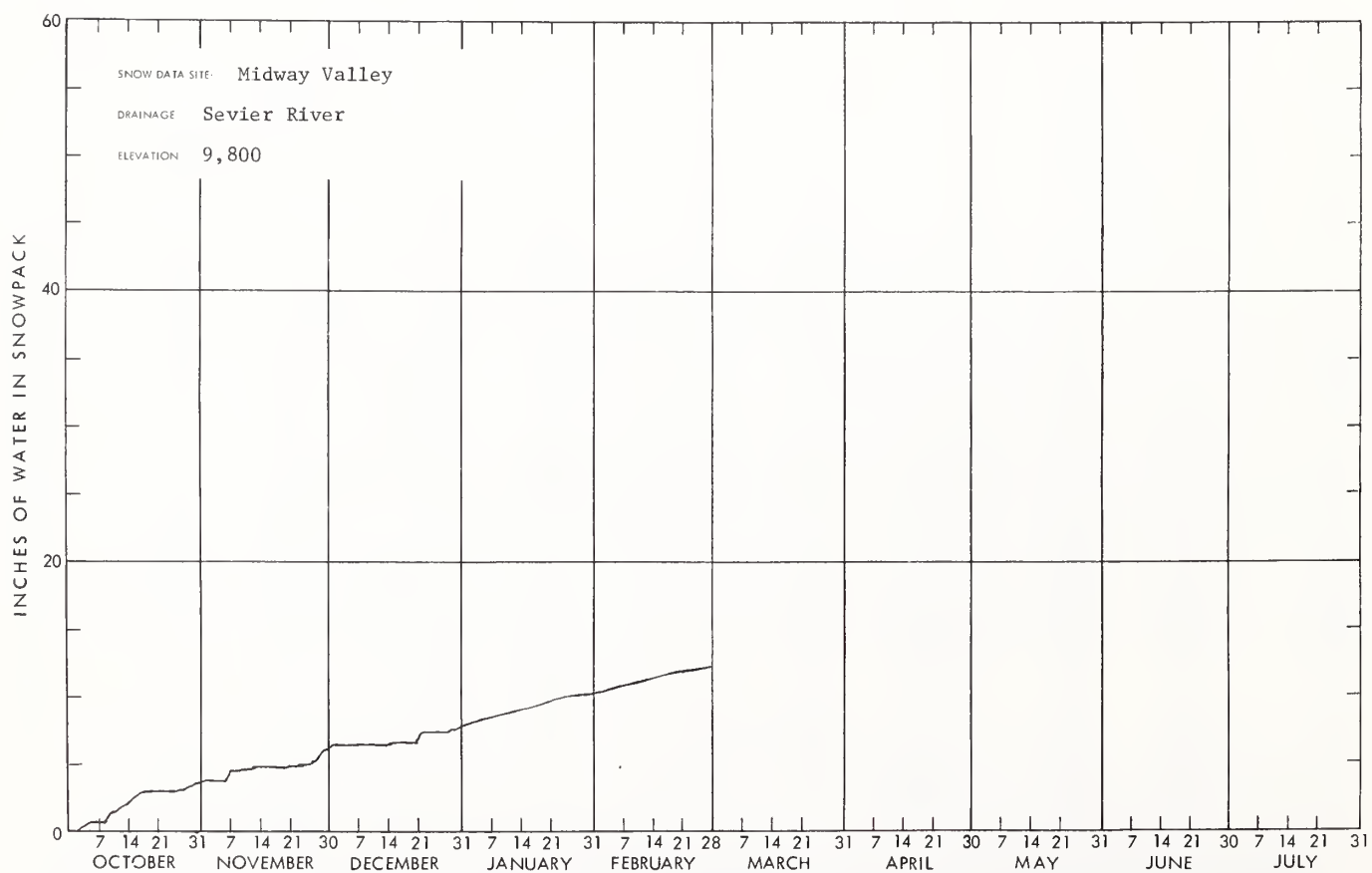
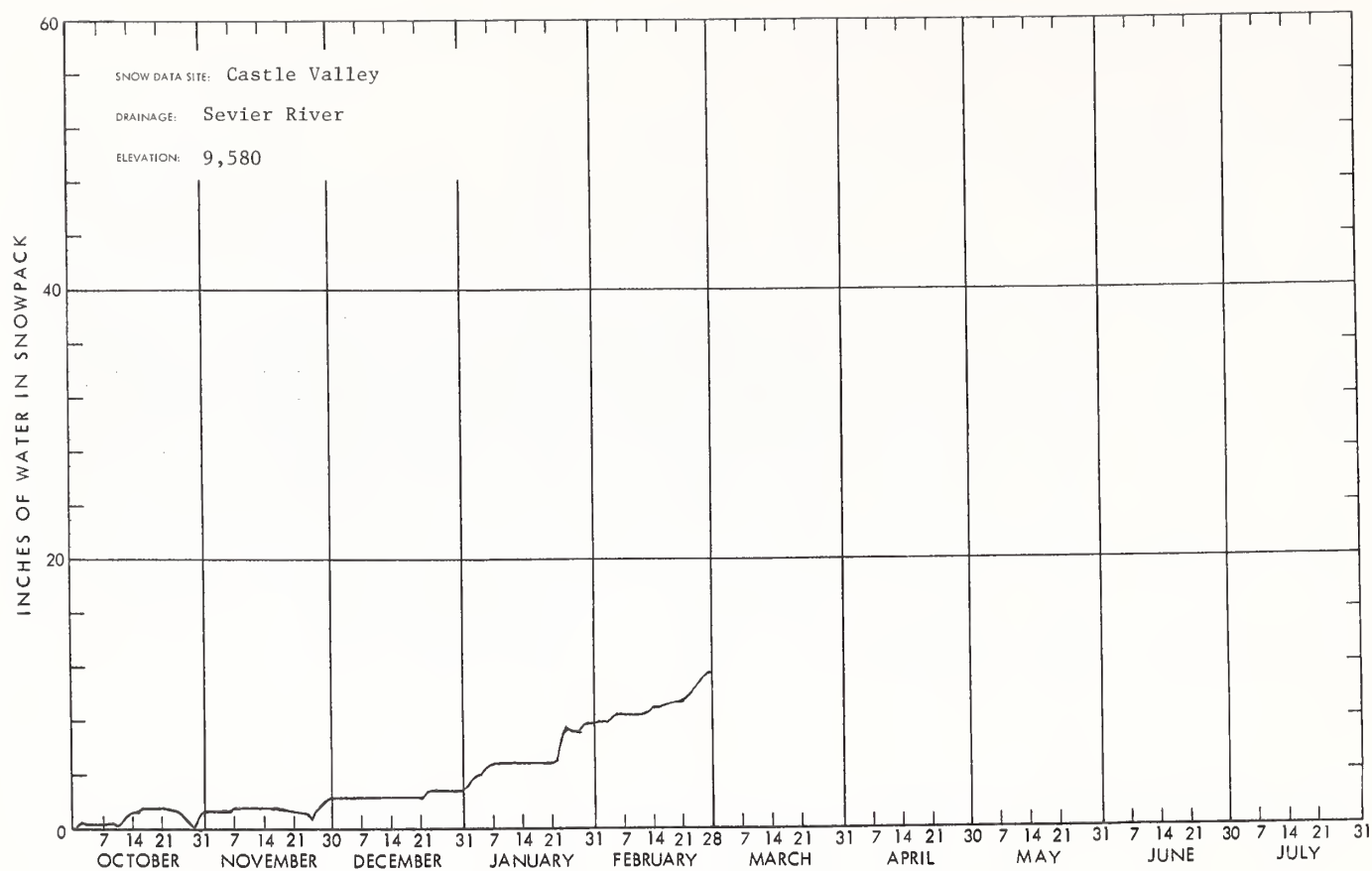
5-10-1961

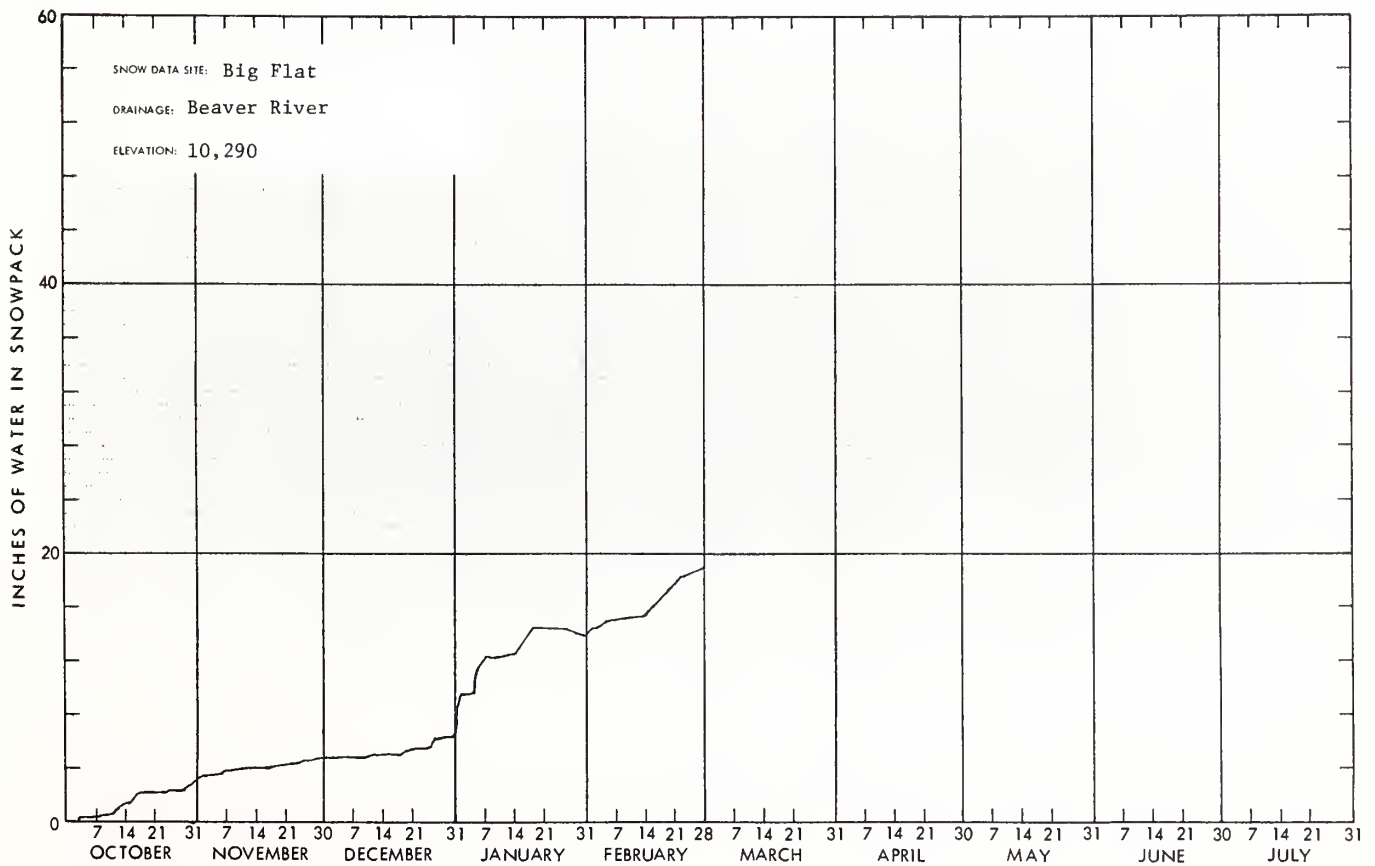
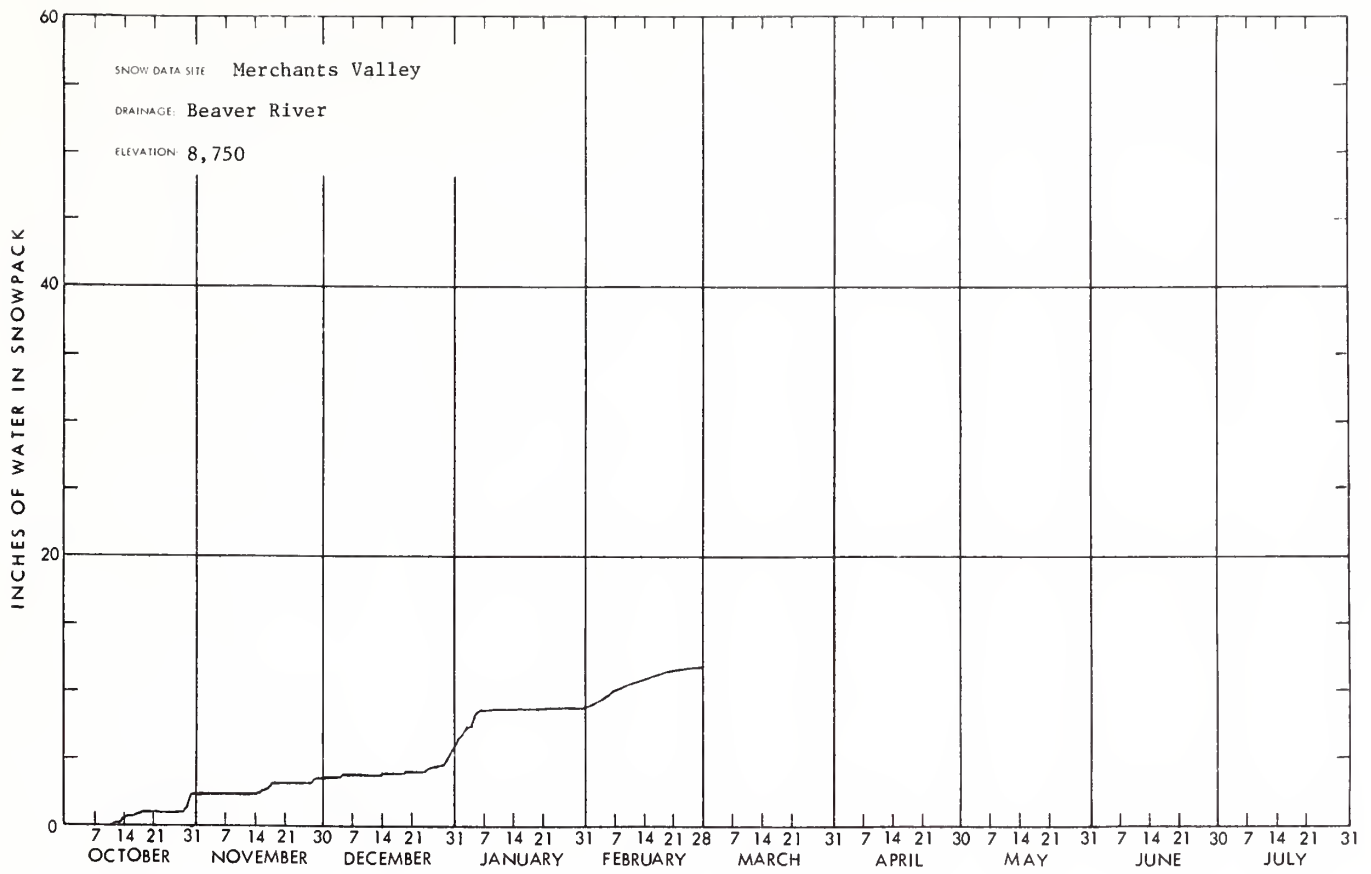


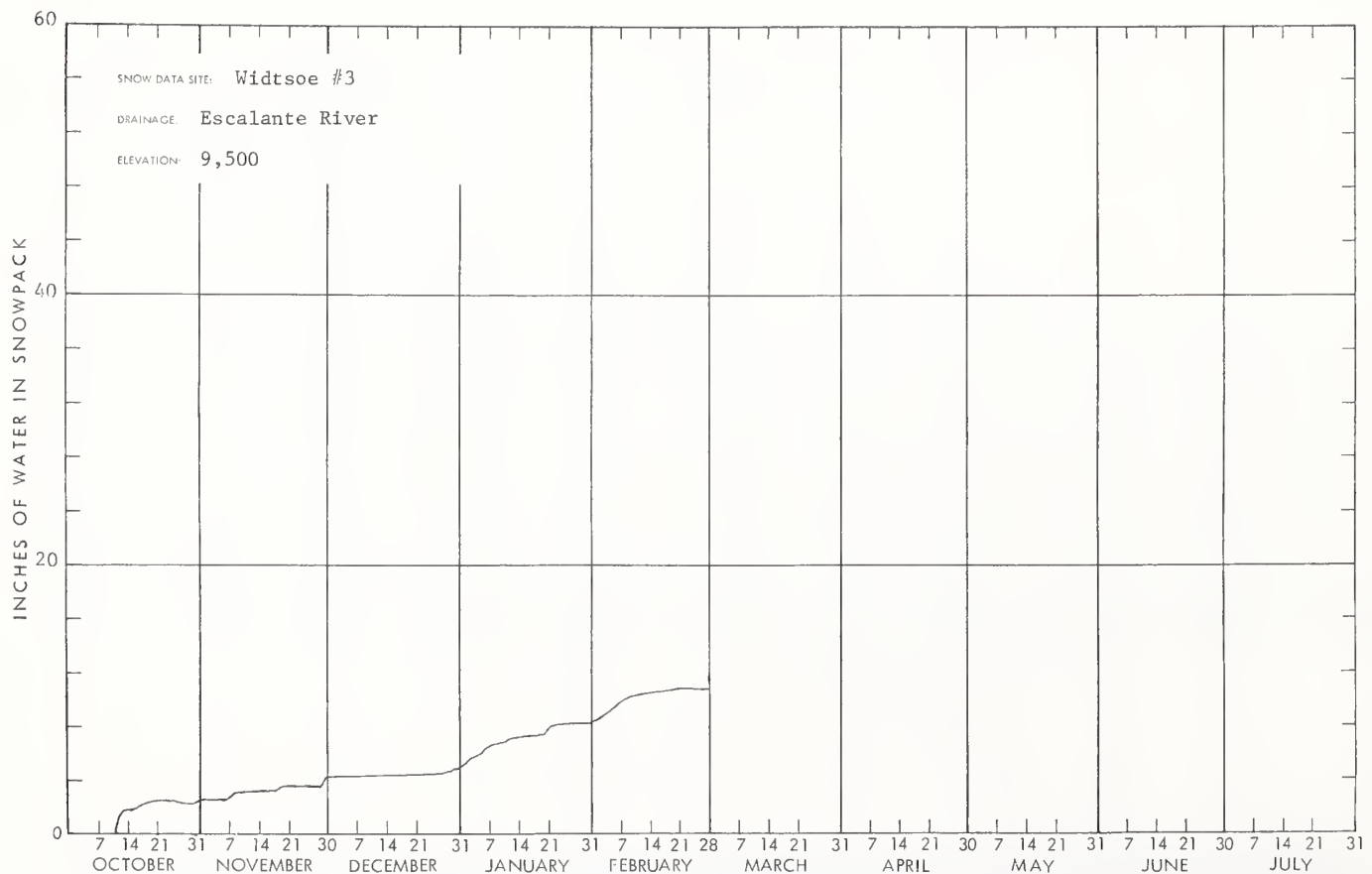
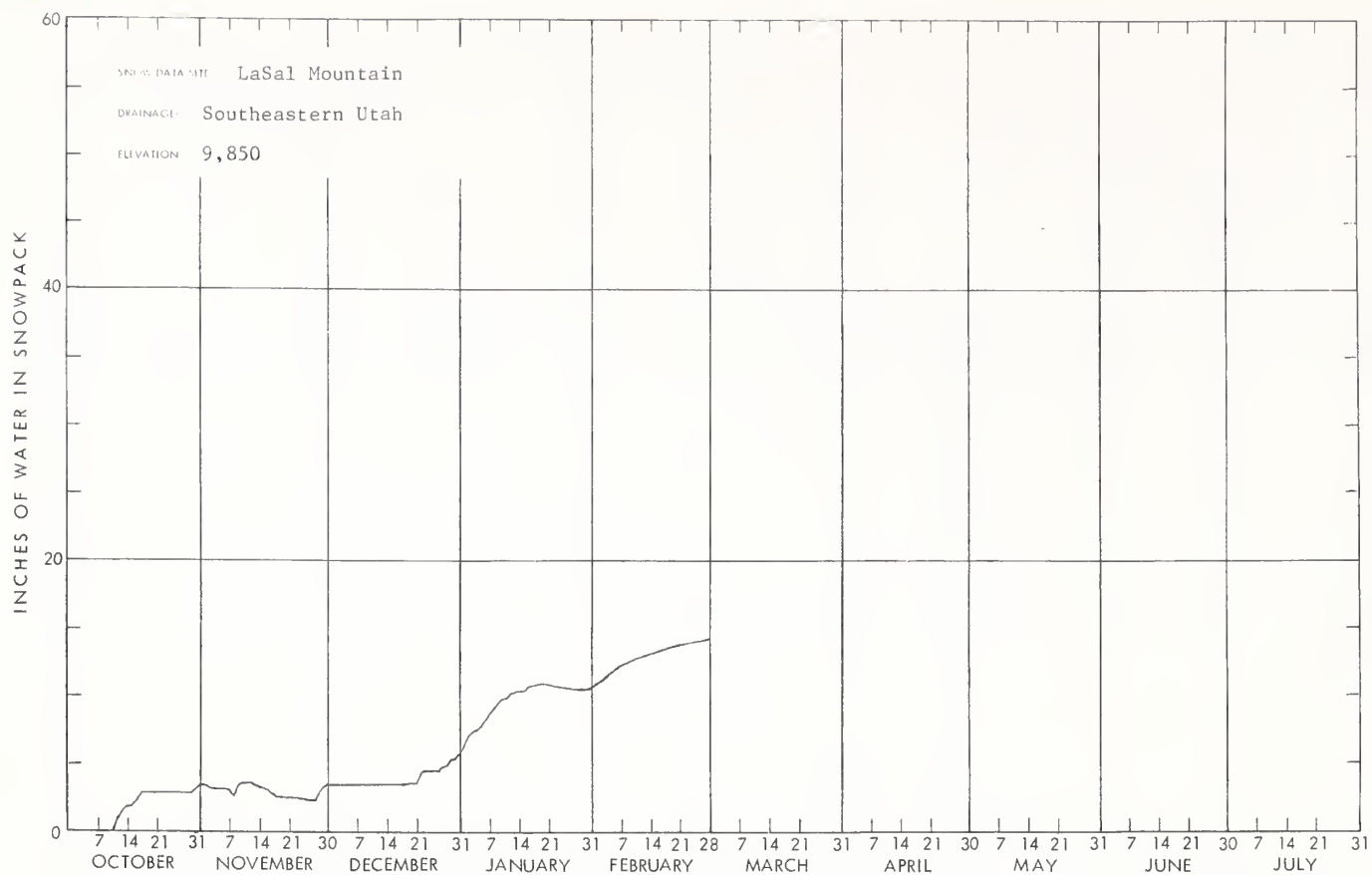
5-10-1961

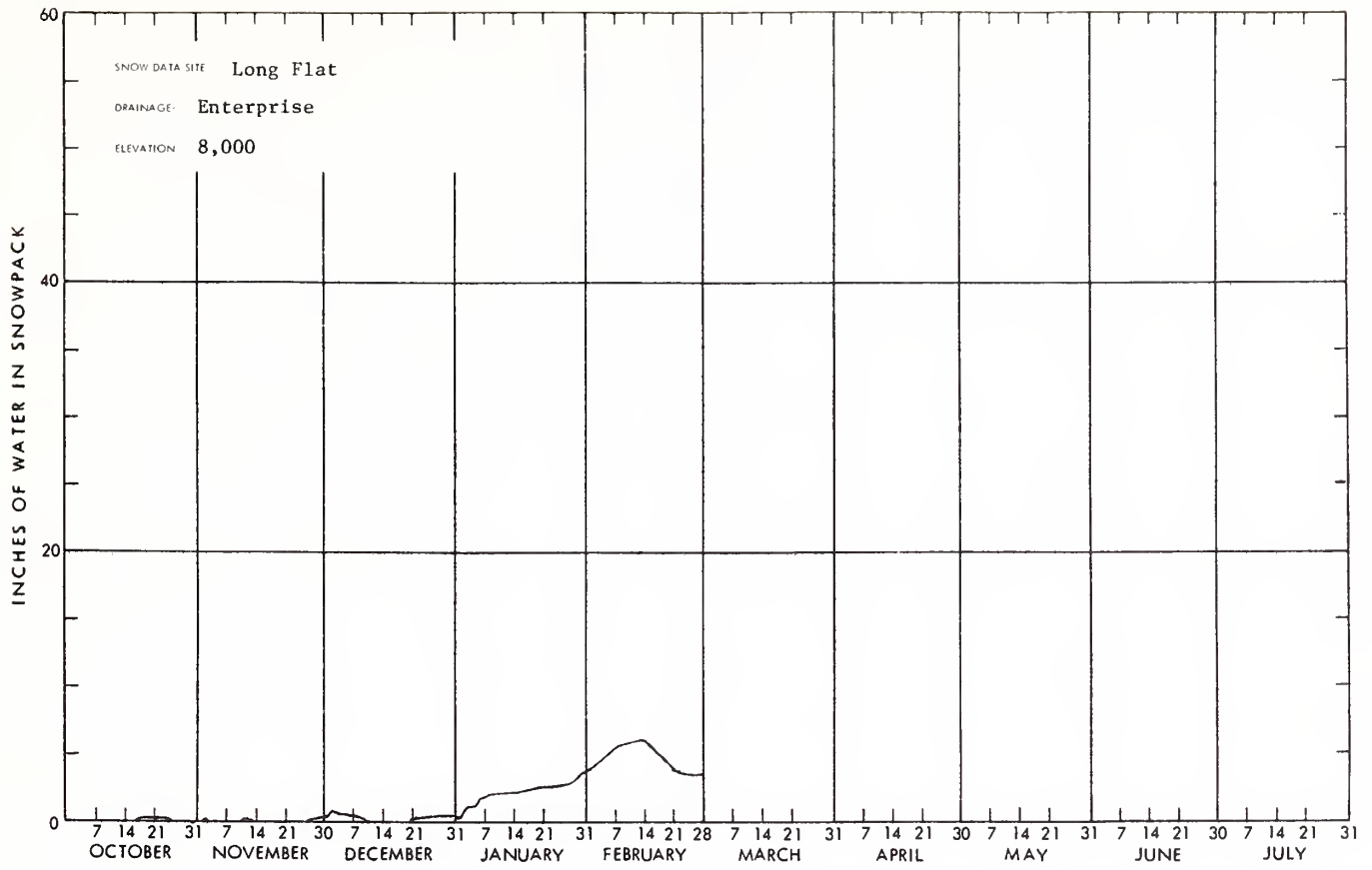


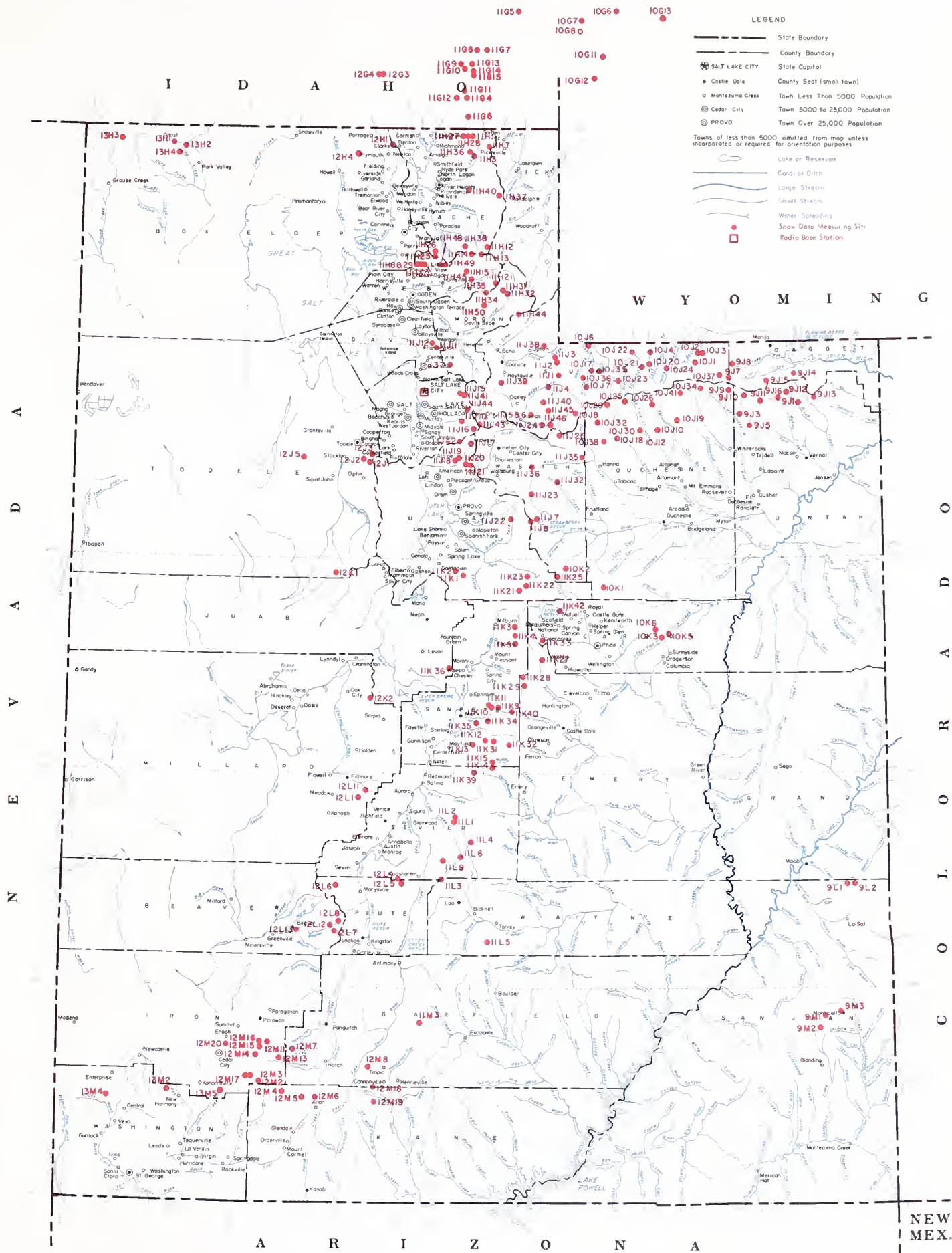












GREAT BASIN DRAINAGE

LEGEND	Numbering System (example)
1017J	Snow Course Only
1017M	Snow Course and Precipitation Gauge
1017P	Snow Course and Soil Moisture Station
1017T	Snow Course and Soil Moisture Station and Aerial Marker
1017A	Snow Course, Soil Moisture Station and Aerial Marker
1017MP	Snow Course, Soil Moisture Station and Precipitation Gauge Only
1017P	Storage Precipitation Gauge Only
1017PS	Snow Course, Precipitation Gauge, and Soil Data Site
1017PST	Spot Data Site

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture
 - Soil Conservation Service
 - Forest Service
- U. S. Department of Commerce
 - NOAA, National Weather Service
- U. S. Department of Interior
 - Bureau of Reclamation
 - Geological Survey
 - National Park Service

STATE AGENCIES

- Utah State University
- Utah State Department of Natural Resources
 - Division of Wildlife Resources
 - Division of Water Resources
 - Division of Water Rights
 - Bear River Commissioner
 - Price River Commissioner
 - Provo River Commissioner
 - Sevier River Commissioners
 - Spanish Fork River Commissioner
 - Utah Lake and Jordan River Commissioner

MUNICIPALITIES

- Manti
- Salt Lake City

ORGANIZED PUBLIC AGENCIES

- Beaver River Water Users Association
- Board of Canal Presidents - Jordan River
- Central Utah Conservancy District
- Emery Canal and Reservoir Company
- Moon Lake Water Users Association
- Ogden River Water Users Association
- Provo River Water Users Association
- Strawberry Water Users Association
- Sevier River Water Users Association
- Weber River Water Users Association
- Weber Basin Conservancy District

PRIVATE AGENCIES

- Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FEDERAL BLDG. -- ROOM 4420
125 SOUTH ST.
SALT LAKE CITY, UTAH 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U S DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

U.S. DEPT. OF AGRICULTURE
LIBRARY, CORREL. SERIAL
RECORD
WASHINGTON, D.C. 20250

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*